

TIPS Carlson Software 2011 Installation Instructions

Getting Started

- All TIPS software users must install the latest KeyServer Client on their machine prior to installing new software versions. This is a requirement of the TIPS program to allow for adequate collection of license and server usage statistics. The latest KeyServer Client is available on the TIPS website http://www.tips.osmre.gov/tips_html/downloads.asp#K2.
- Before starting the installation process, you will need the following:
 - TIPS Carlson Software 2011 DVD or download from the Carlson website (<http://update.carlsonsw.com/updates.php?downloads=7b6a448ee20afa9bd6c9b842a78fbdfb&product=Carlson>). File: Full version Carlson 2011 dated 01/17/2011 or later.
 - Serial number, hosts file, and environment variable information provided with the OSM TIPS distribution.
 - Administrator credentials are required for program installation and first run of Carlson 2011.
 - Though the vendor reports that it is not required, we recommend that the end user also have administrator credentials for the software to function most efficiently.

General Overview

In order to properly install Carlson Software 2011, you must do the following:

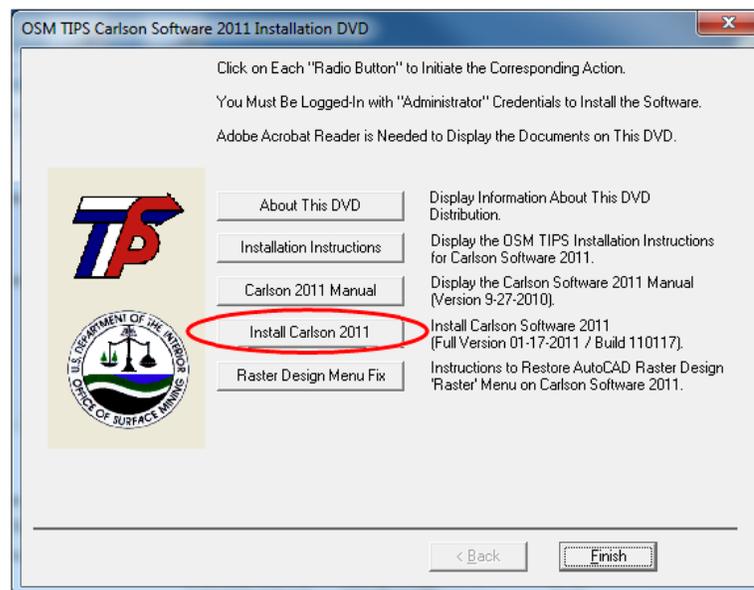
1. Install and launch the AutoCAD Map software prior to installing the Carlson product. If Raster Design will be loaded on the user machine, it is required that it be installed and run once also prior to installing Carlson 2011.
2. Use the instructions below to install Carlson Software 2011. These instructions are based on installation onto AutoCAD Map 3D 2011 but can also be applied to installation on previous versions of AutoCAD Map.
3. Ensure that the environment variable LSHOST and the HOSTS file are set according to the documentation provided with the TIPS distribution notification. Note that if a previous version of TIPS Carlson or SurvCADD software was installed, the required settings will have already been applied (see page 20 for details on accessing the environment variable).
4. Launch Carlson Software 2011 while logged-in with Administrator credentials in order to complete registration and automatically check for and install current updates. Current updates can be accessed directly at:
<http://update.carlsonsw.com/updates.php?downloads=7b6a448ee20afa9bd6c9b842a78fbdfb&product=Carlson>.
5. Have the end user log-in and follow the detailed instructions to set the default 'AutoCAD Map Classic' menu and restore 'Express' and 'Raster' menu dropdowns (see instructions on pages 14-19).

If you have any questions or difficulties, contact Tom Mastaller at (412) 937-2108 or TMASTALLER@OSMRE.GOV; if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or TMULLINS@OSMRE.GOV.

Additional information (e.g., most recent installation instructions and installation FAQs) is available on the TIPS CAD Software webpage <http://www.tips.osmre.gov/CAD/default.htm>.

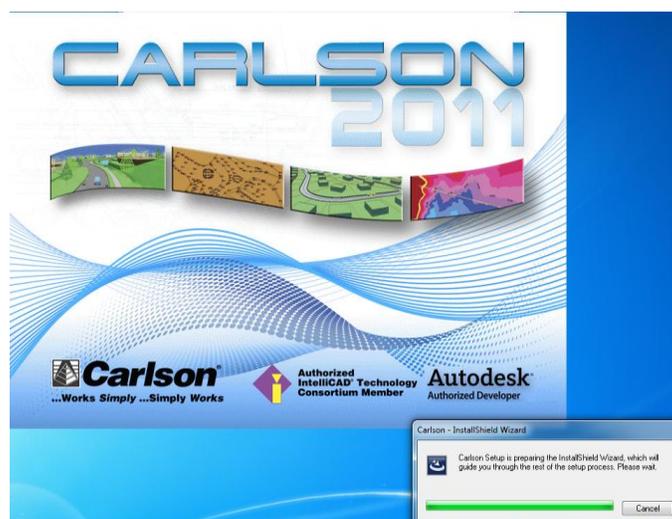
Initialize Carlson 2011 Installation

- You must have Administrator credentials to perform the installation (i.e., You must be logged-in as an administrator).
- If you have the TIPS Carlson Software 2011 disk, insert it into the appropriate drive. If the installation does not start automatically, browse to and double-click on the DVD drive; if that fails to launch the installer, navigate to the root directory of the DVD and double-click 'Autorun.exe'. This opens the 'OSM TIPS Carlson Software 2011 Installation DVD'.
- Click on **Install Carlson 2011** to initialize.
- It may take 45 seconds or more for the installer to load and initialize (If the installation fails to initialize after a minute or so, navigate to the DVD root directory and double-click on the installation file 'InstallCarlson2011.exe' to install.).

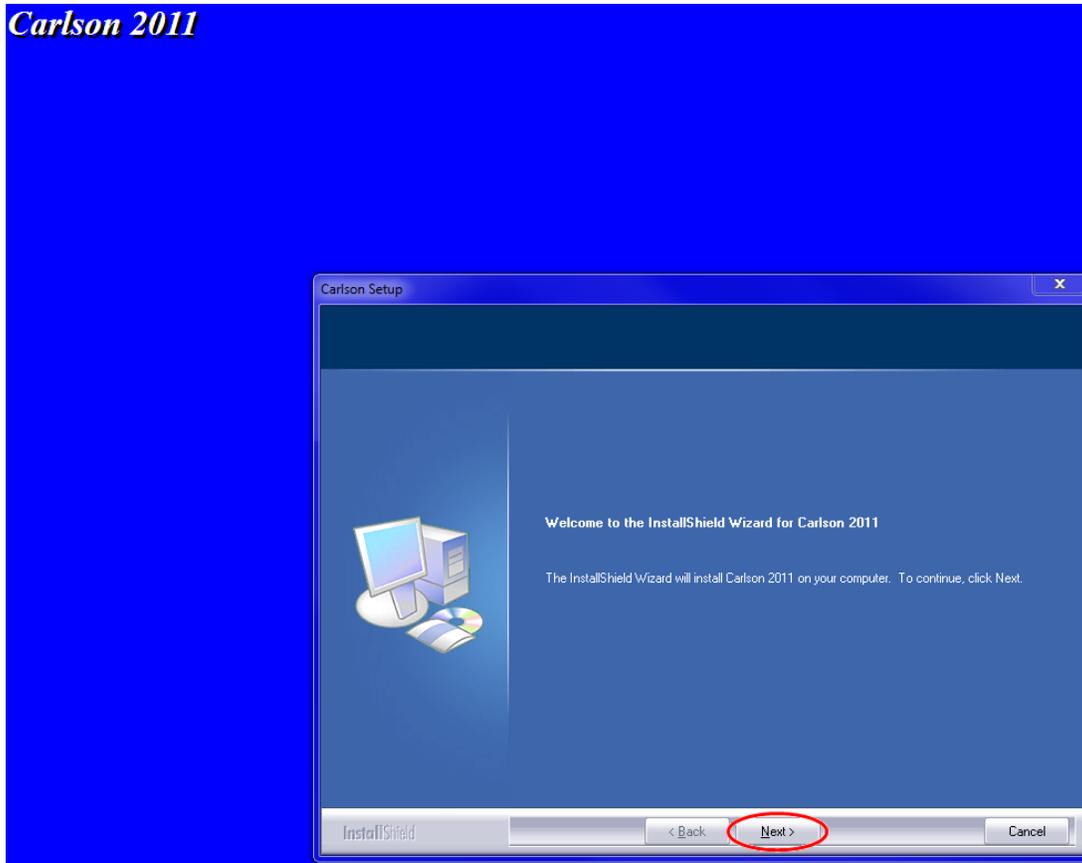


or

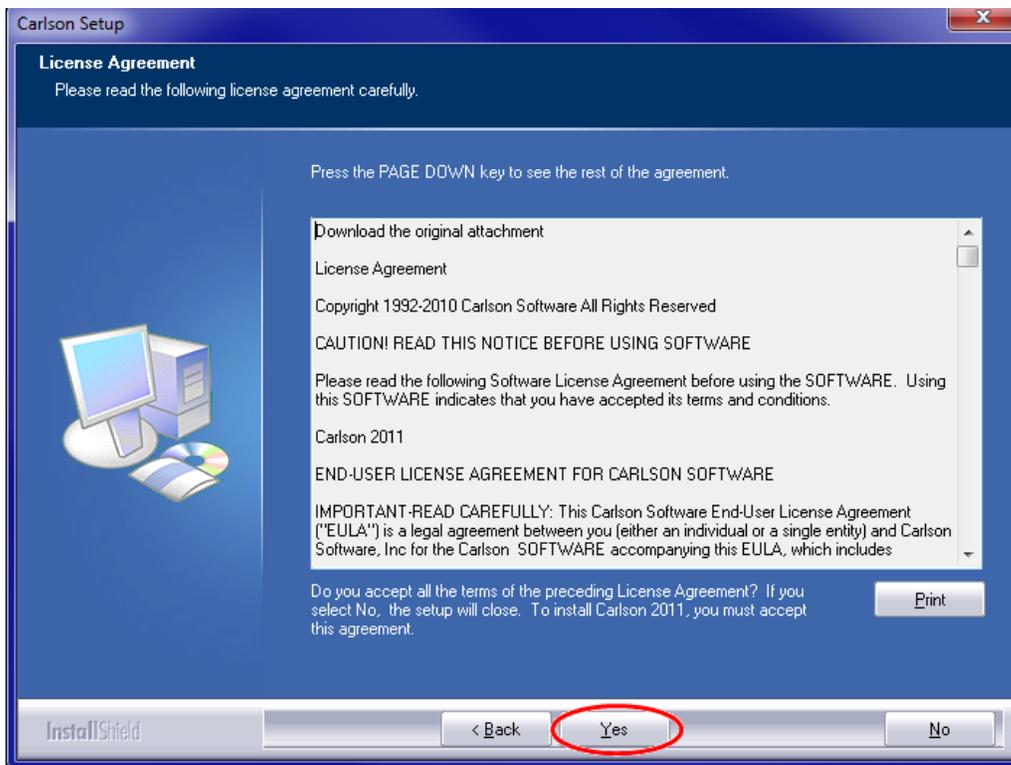
- If you obtained the software via download, navigate to the location where the full version EXE file was saved and double-click on the file (i.e., Carlson2011.exe) to initialize the installation program.
- The Carlson 2011 installation process will initialize... (Note: If an "Open File – Security Warning" or "User Account Control" window appears, click **Run** or **Yes** and continue.)



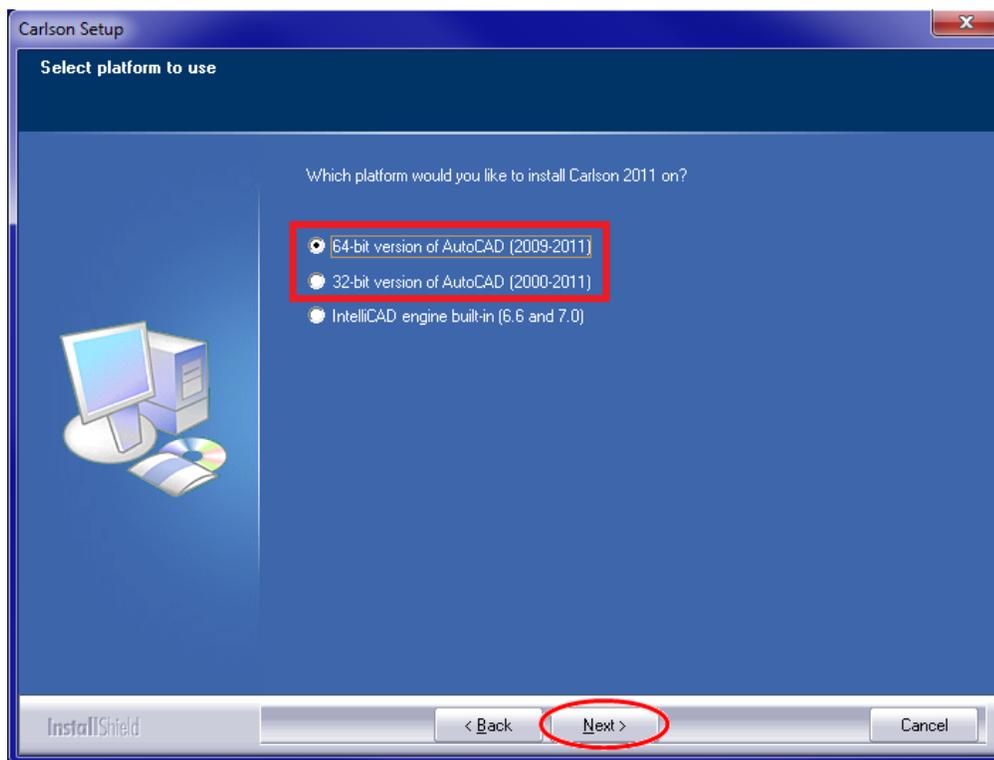
- Click **Next** to continue with the installation.



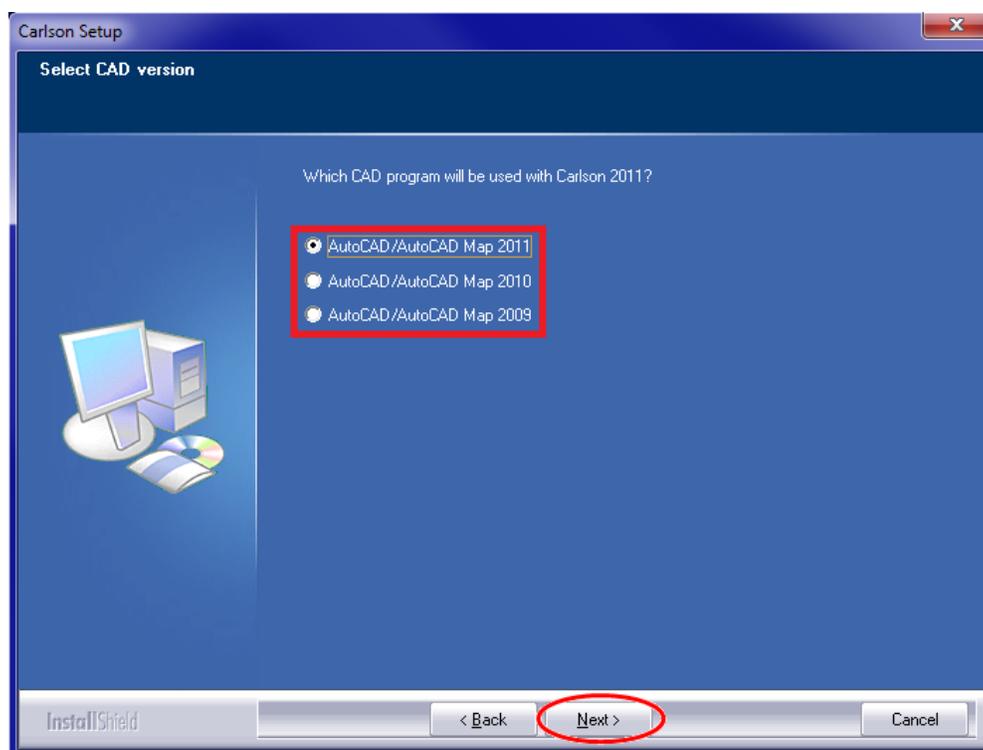
- Review and, if agreeable, click **Yes** to accept the licensing agreement.



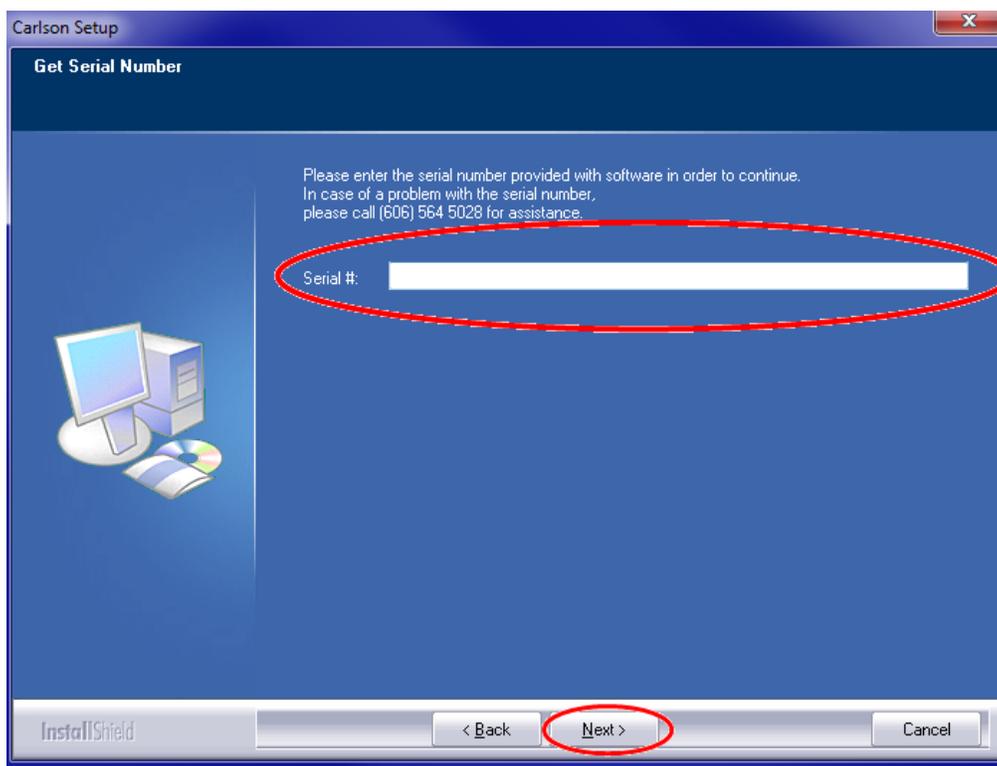
- Select the applicable platform (i.e., 64-bit or 32-bit) version that you want to install (in this case, click on the circle next to **64-bit version of AutoCAD...**).
- Click **Next** to continue.



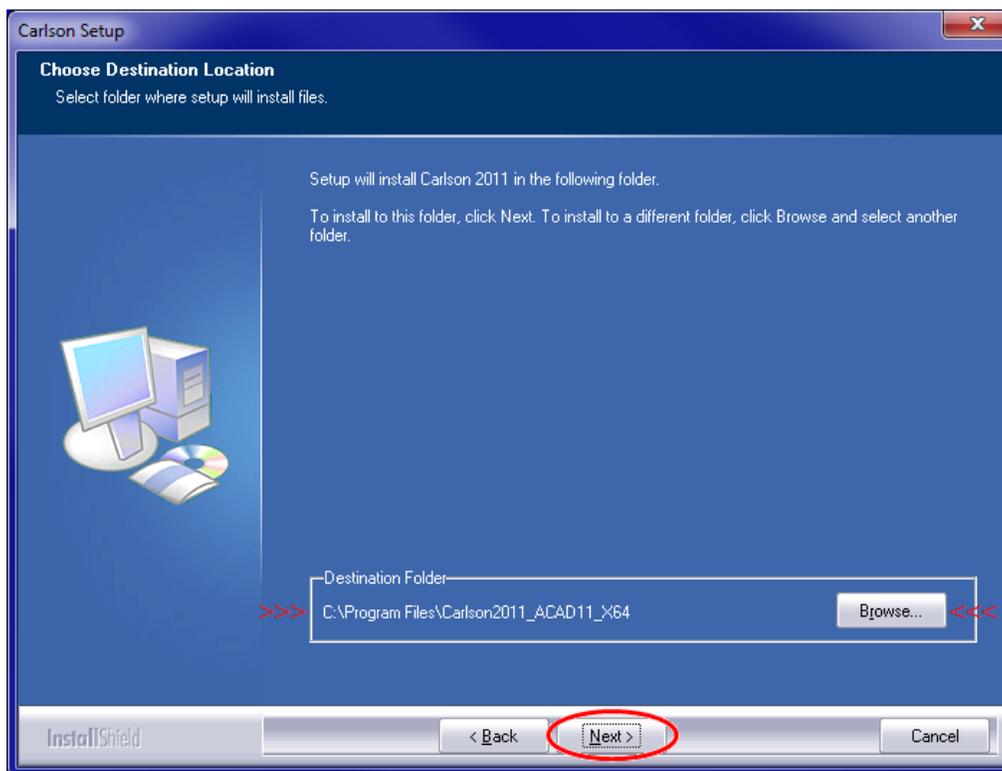
- Select the version of CAD software that you want to use with Carlson 2011 (in this case, click on the circle next to **AutoCAD / AutoCAD Map 2011**).
- Click **Next** to continue.



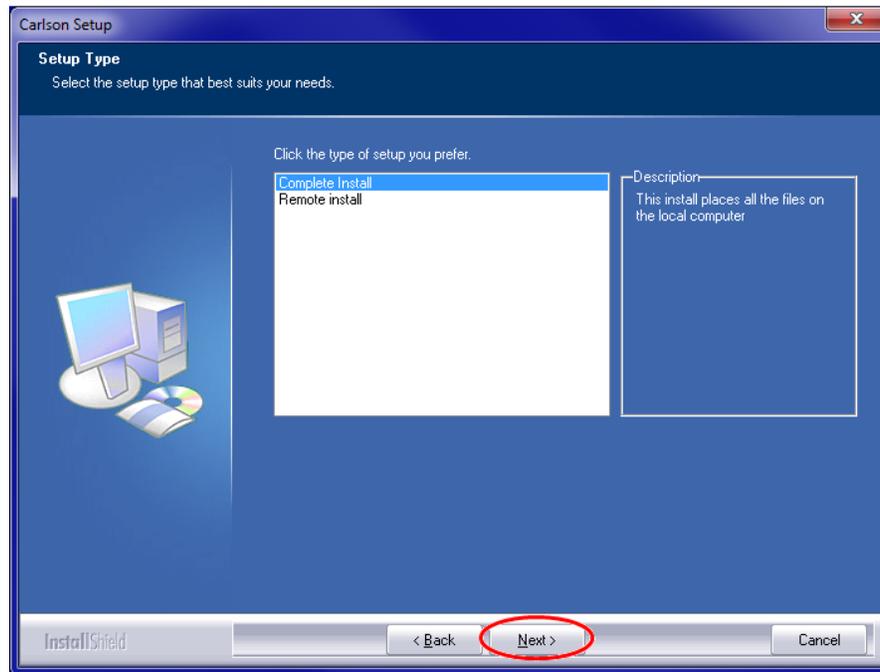
- Enter the Serial number provided with the distribution.
- Click **Next** to continue.



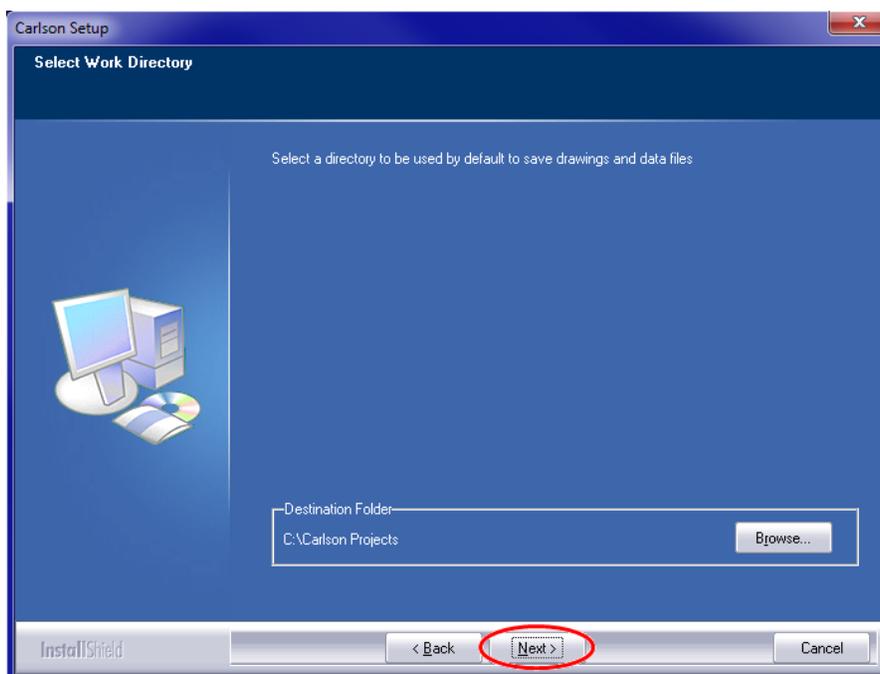
- Verify the install path. The default 'C:\Program Files\Carlson2011_ACAD11_Xxx' is recommended.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



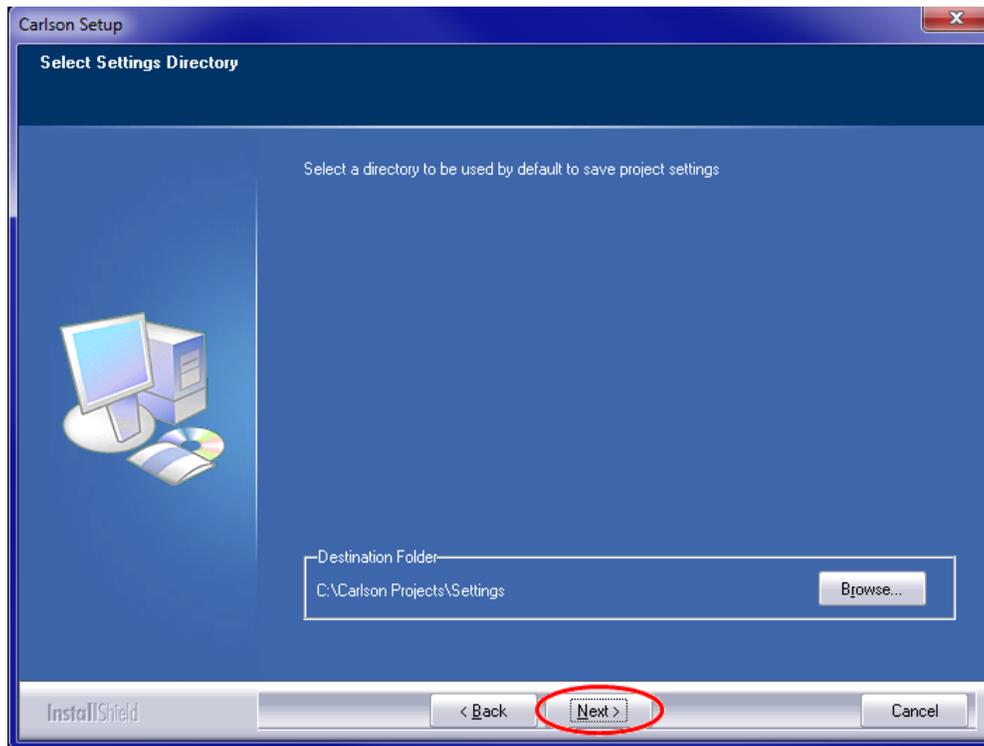
- Choose the preferred Setup Type:
 - ‘Complete Install’ copies all files to the user computer.
 - ‘Remote Install’ copies some files to the user computer and some to a network server.
- The ‘Complete Install’ option is recommended (The ‘Remote Install’ option has not been tested and is not supported by TIPS.).
- Click **Next** to continue.



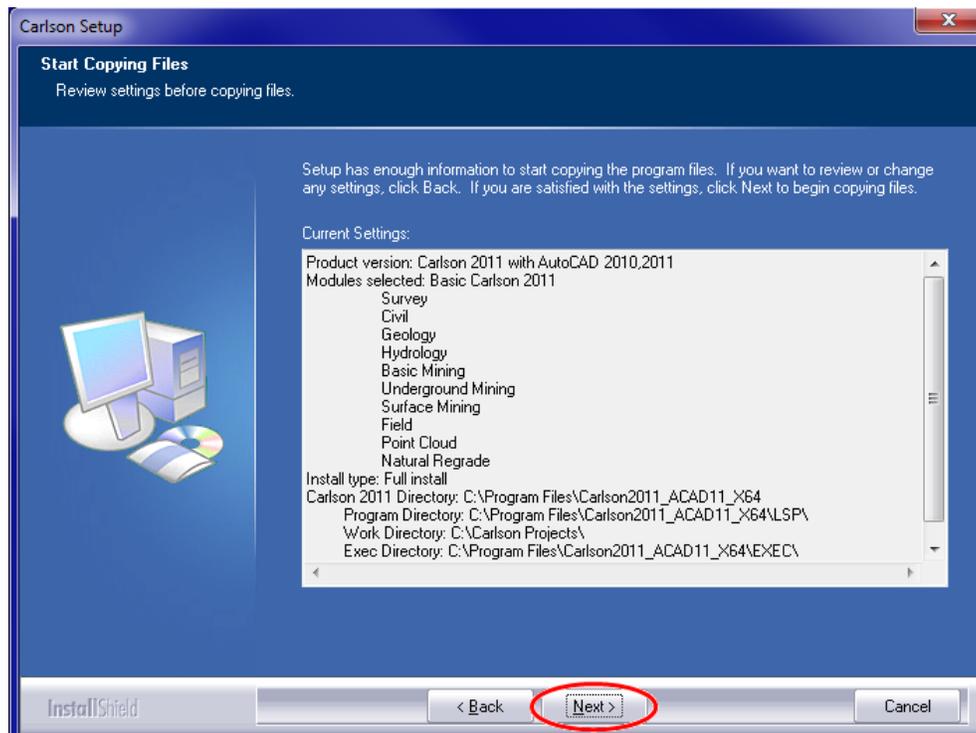
- Verify the Carlson work directory. This is where the program will store drawing and data files by default. The default 'C:\Carlson Projects' is acceptable.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



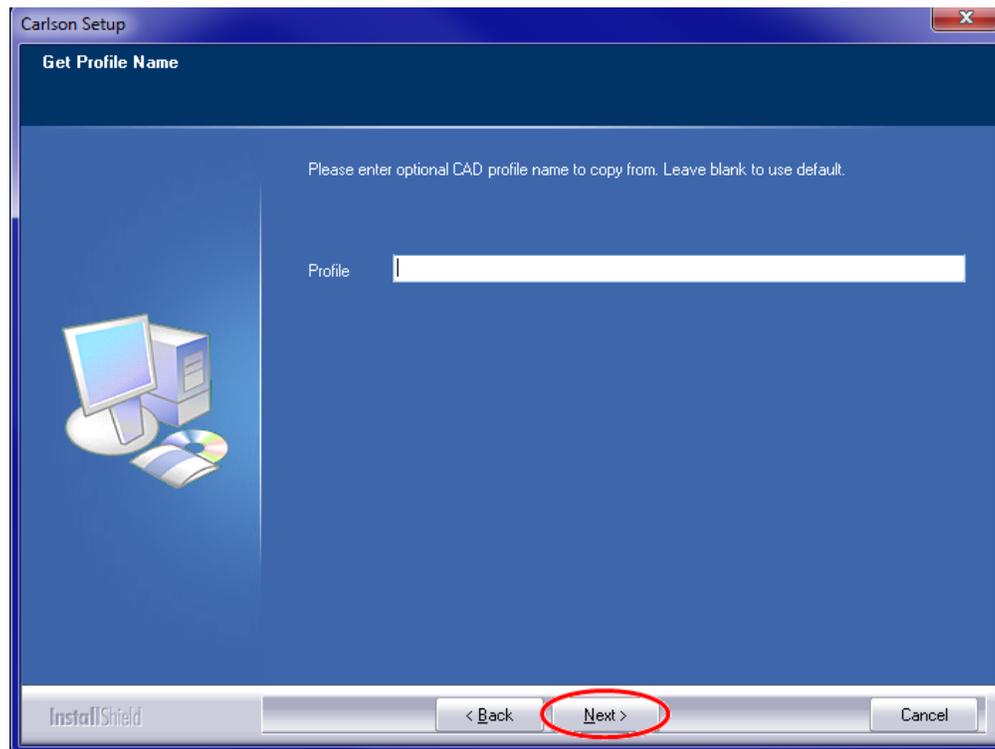
- Verify the project settings directory. The default 'C:\Carlson Projects\Settings' is recommended.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



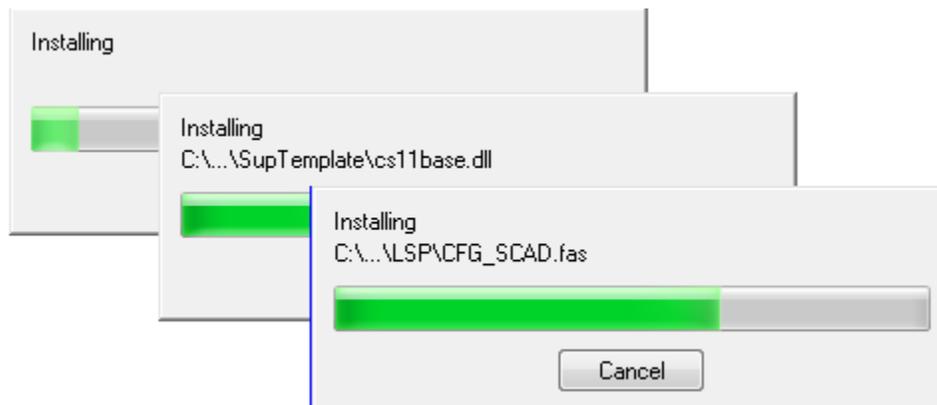
- Review the information in this dialog box to ensure that all settings are as desired.
- If changes are needed, click **Back** to revert to the appropriate screen(s) and revise as necessary.
- Click **Next** to continue.



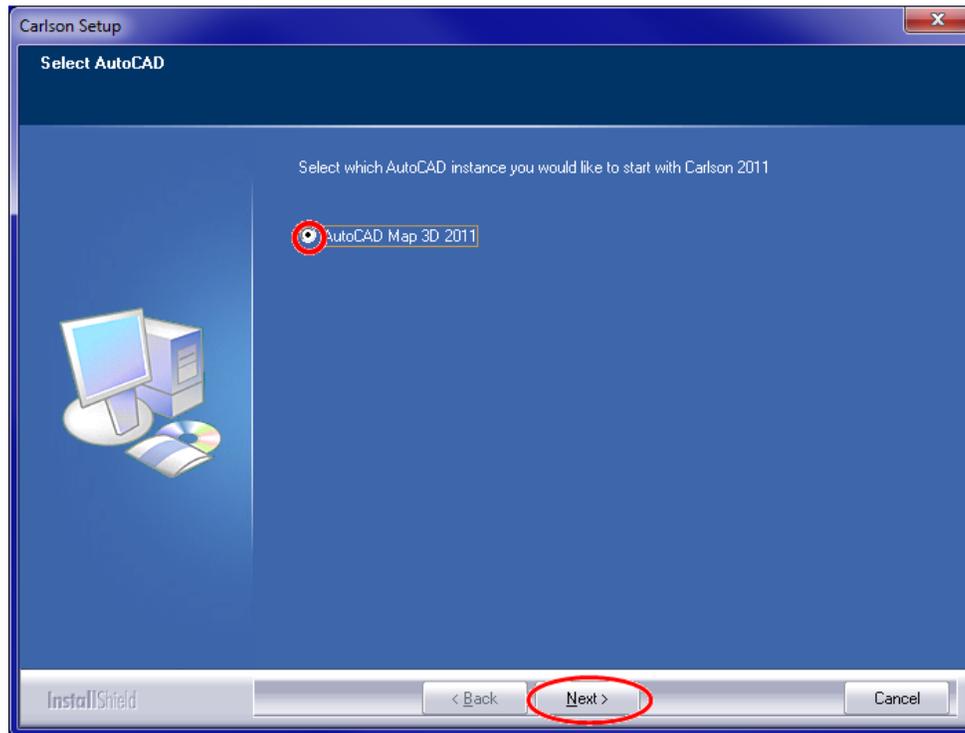
- Enter an optional CAD profile if the user or your office has specified one.
- The default (i.e., leave blank) is recommended.
- Click **Next** to continue.



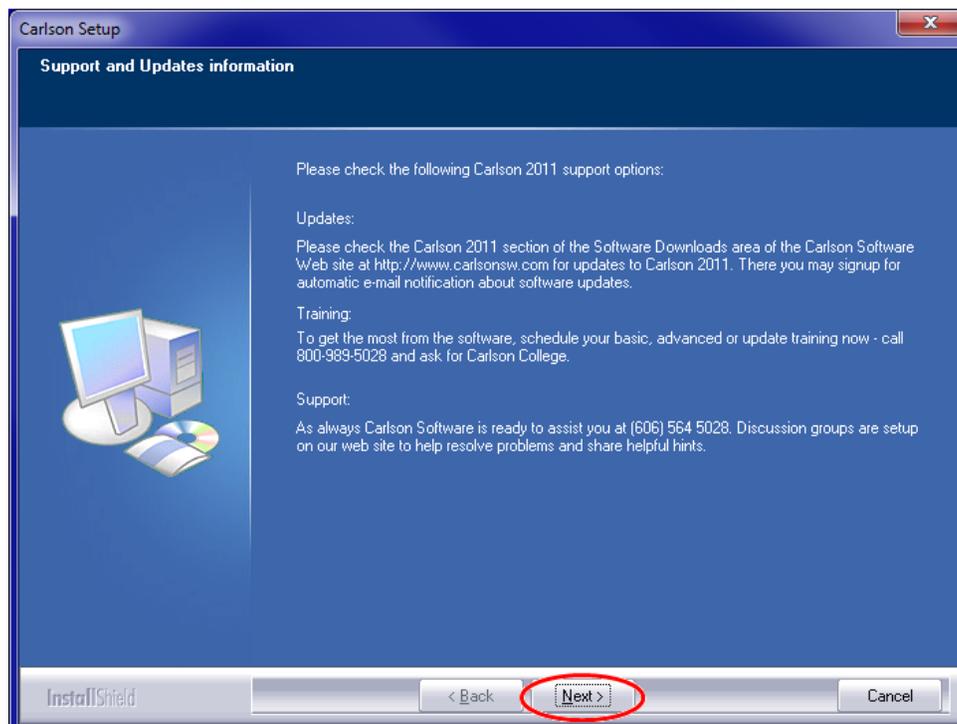
- The installation will progress with files being copied...



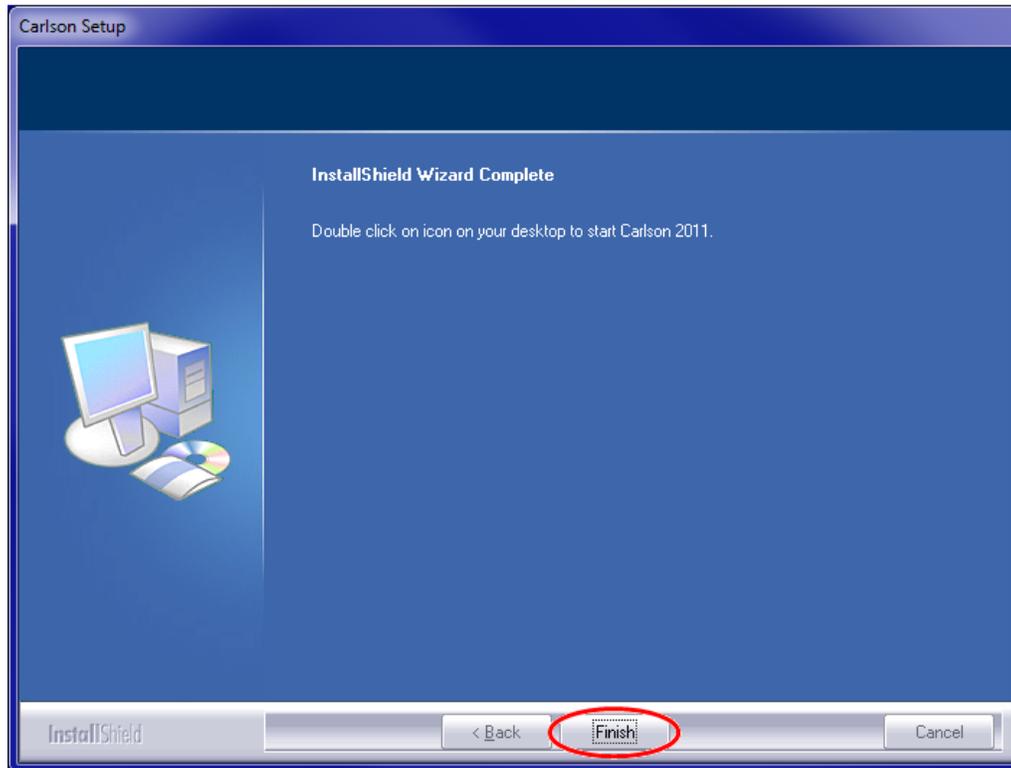
- When prompted, select the version of the Autodesk product that you would like to start with Carlson 2011 (in this case, **AutoCAD Map 3D 2011**). This is dependent on what version of Autodesk software is installed and was specified in the step at the bottom of page 4.
- Click **Next** to continue.
-



- The installation will continue with additional files being copied...
- After file copying is complete, 'Support and Updates information' will be displayed.
- Click **Next** to continue.



- Click **Finish** to complete the installation.

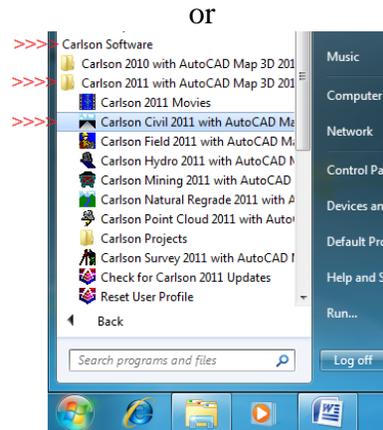


- Click **Finish** to close the 'OSM TIPS Carlson Software 2011 Installation DVD'.
- You may also want to close the DVD folder used to initiate the TIPS DVD installation routine and / or 'Exit' any command window that may be open.

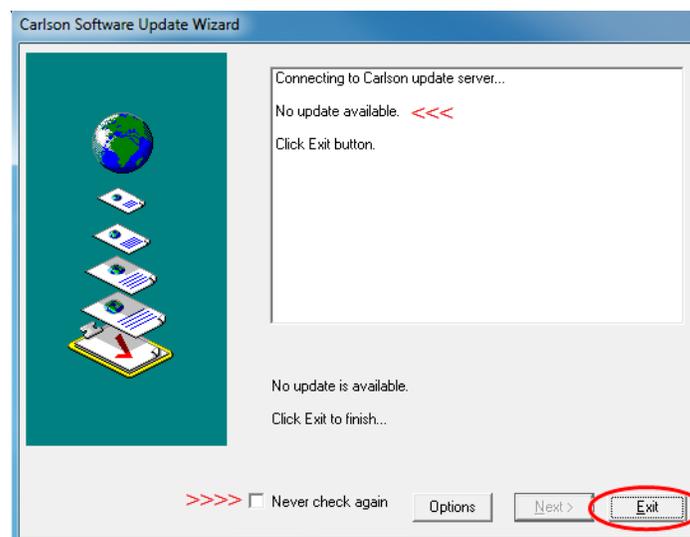


Launch Carlson 2011 / Program Updates / Registration

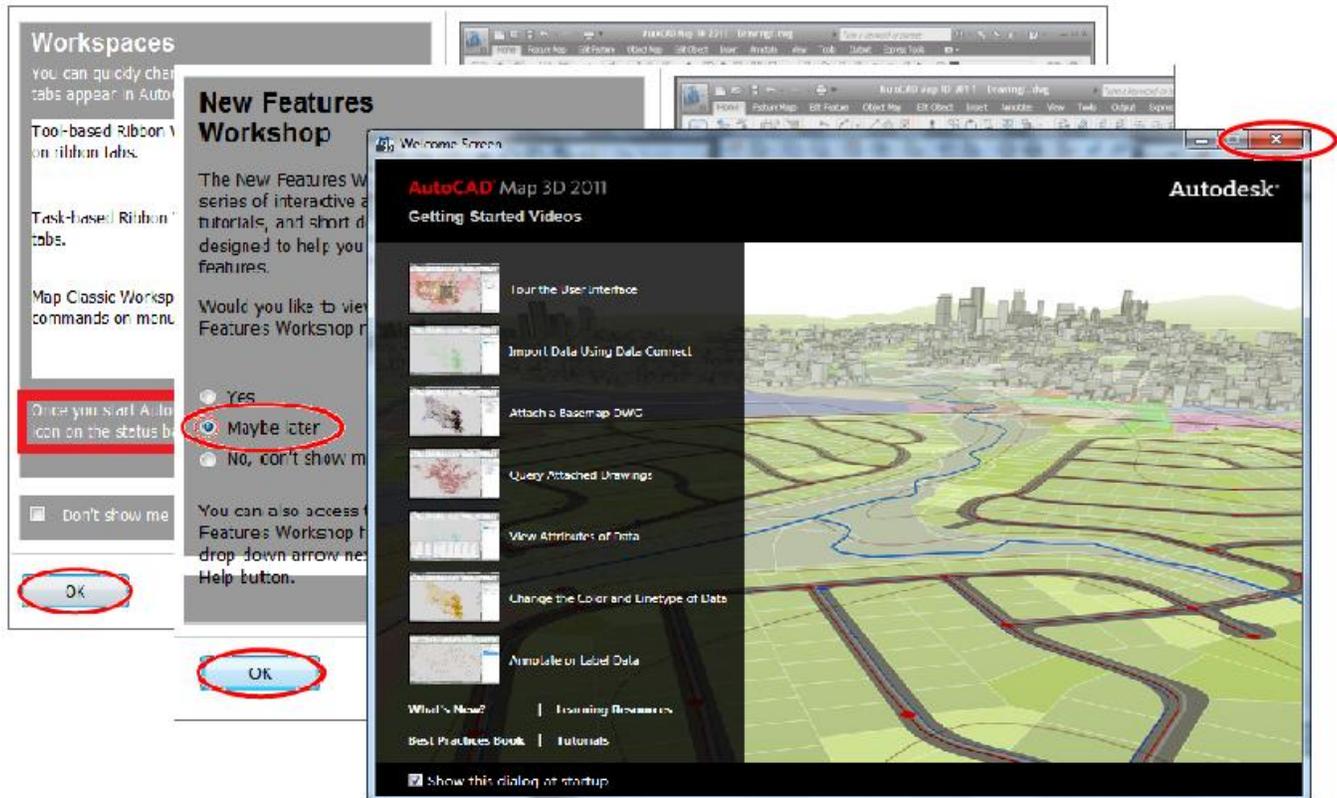
- Note: Before launching Carlson Software 2011, you must set the environment variable LSHOST and the HOSTS file according to information provided with the TIPS distribution package. If a previous version of TIPS Carlson software was installed, the required settings will have already been applied. (See page 20 for details on accessing the environment variable.)
- *While still logged-in with Administrator credentials*, launch Carlson Software 2011 from one of the Carlson desktop shortcuts or from the MS Windows Start Menu.



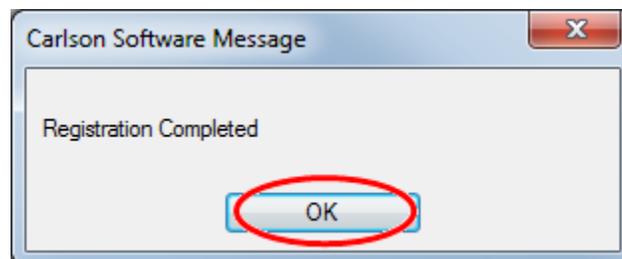
- The program will automatically check for main program updates upon the first run and weekly thereafter (via internet connection).
- If updates are identified during this process, it is recommended that they be installed to ensure that the most current features are available to users. Simply follow the screen instructions to accomplish this.
- If users do not have Administrator credentials, consider selecting the box next to 'Never check again' as non-Administrators would not be able to install future updates identified by the program.
- If no updates are available (as shown below), click **Exit**.



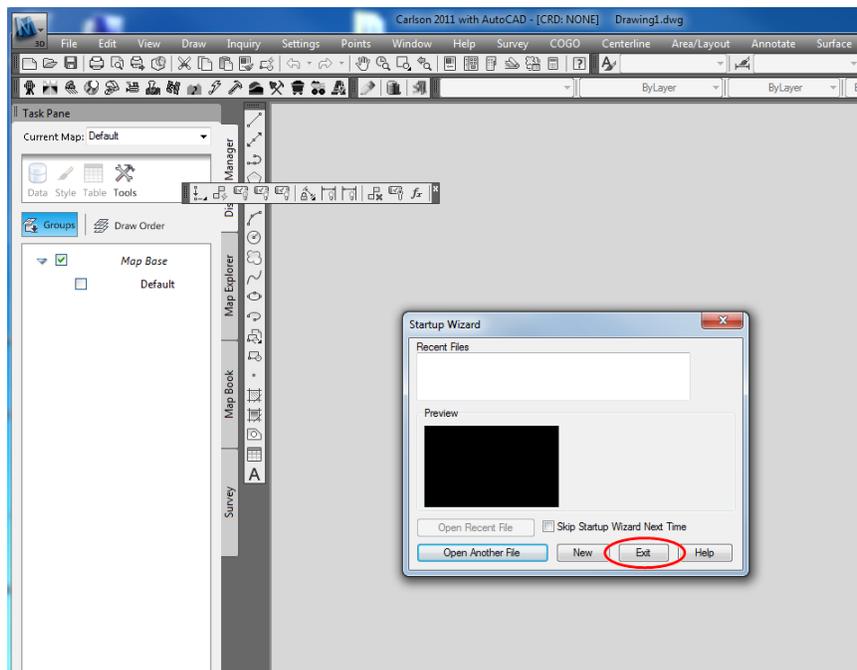
- AutoCAD Map 2011 / Carlson Software 2011 will proceed to open.
- If the AutoCAD Map ‘Workspaces’ box appears, click **OK** to continue.
- If the AutoCAD Map 3D ‘New Features Workshop’ box appears, select the circle next to ‘Maybe later’ to enable the user to be reminded of the New Features Workshop on the next program launch and click **OK** to continue.
- Note that for 32-bit versions, a ‘Welcome Screen’ may appear instead of / in addition to ‘New Features Workshop’; if that is the case, ‘Close’ it by clicking on the “X” at the top right corner of that window.



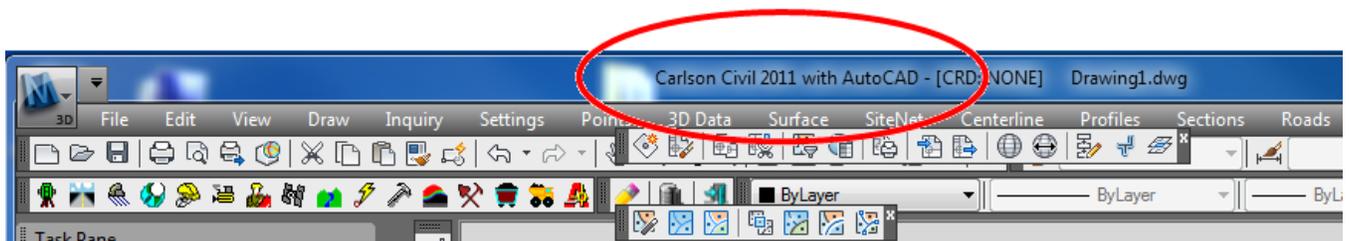
- The Carlson registration process will complete.
- Click **OK** to continue.



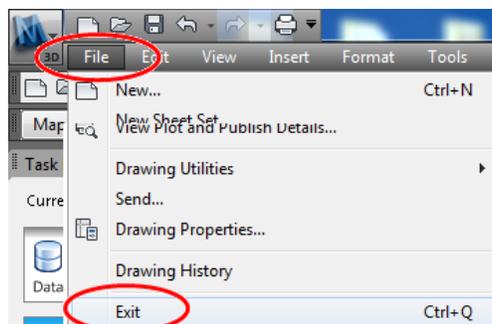
- The Carlson 2011 ‘Startup Wizard’ window will open as a default. Click **Exit** to close the window and continue the software start-up.
- Note: The ‘Startup Wizard’ will not appear if the user had previously altered this setting and the installation included copying the settings.



- Carlson 2011 will open to the module selected to initiate the program (in this case ‘Carlson Civil 2011’).



- If the User is already logged-in (i.e., as the Administrator), proceed to “Set ‘AutoCAD Map Classic’ Menu:” on page 14.
- Go to the ‘File’ menu dropdown and click **Exit** to close the program (Click **No** when prompted to save the drawing file).

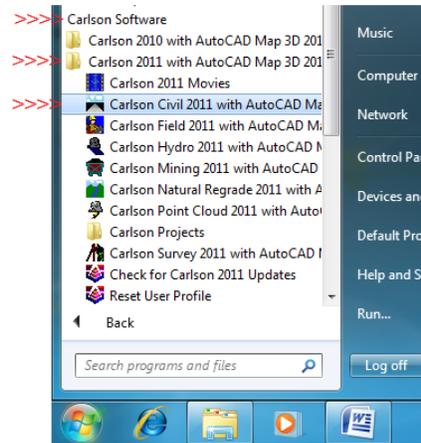


Launch Carlson 2011 as the End User and Set Program Defaults

- Have the end user log-in.
- Have the user launch Carlson Software 2011 from one of the Carlson desktop shortcuts or from the MS Windows Start Menu.



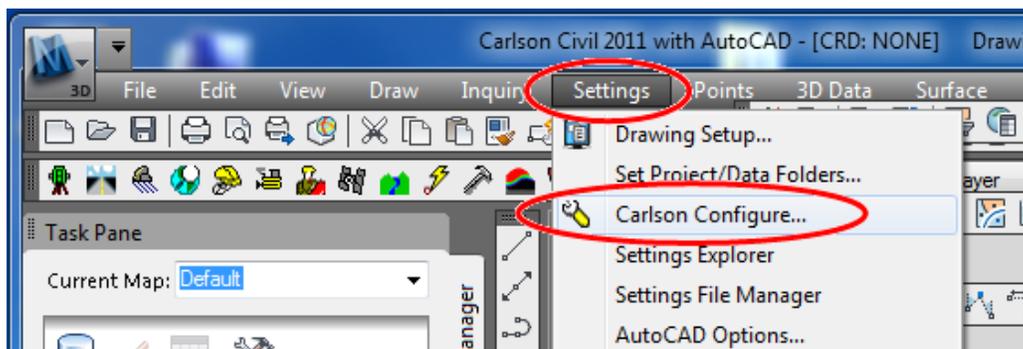
OR



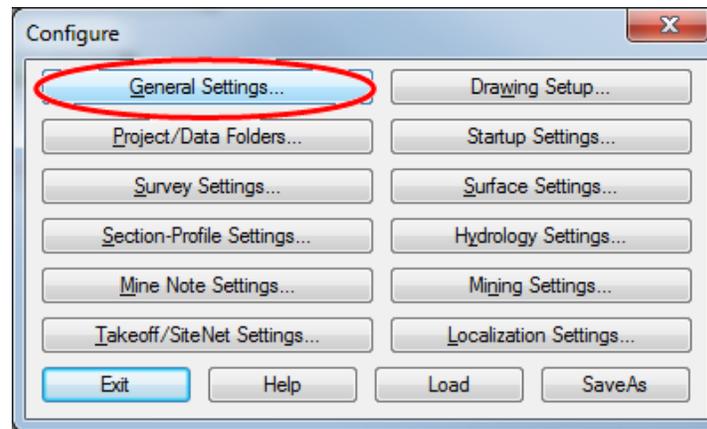
- If the AutoCAD Map 'Workspaces' box appears, click **OK** to continue.
- If the AutoCAD Map 3D 'New Features Workshop' box appears, select the circle next to 'Maybe later' to enable the user to be reminded of the New Features Workshop on the next program launch and click **OK** to continue.
- Note that for 32-bit versions, a 'Welcome Screen' may appear instead of / in addition to 'New Features Workshop'; if that is the case, 'Close' it by clicking on the "X" at the top right corner of that window.
- If the AutoCAD Map 3D 'Autodesk Customer Involvement Program' box appears, choose the desired participation / non-participation option and click **OK** to continue.
- If the Carlson 'Startup Wizard' box appears, click **Exit** to continue.

Set 'AutoCAD Map Classic' Menu:

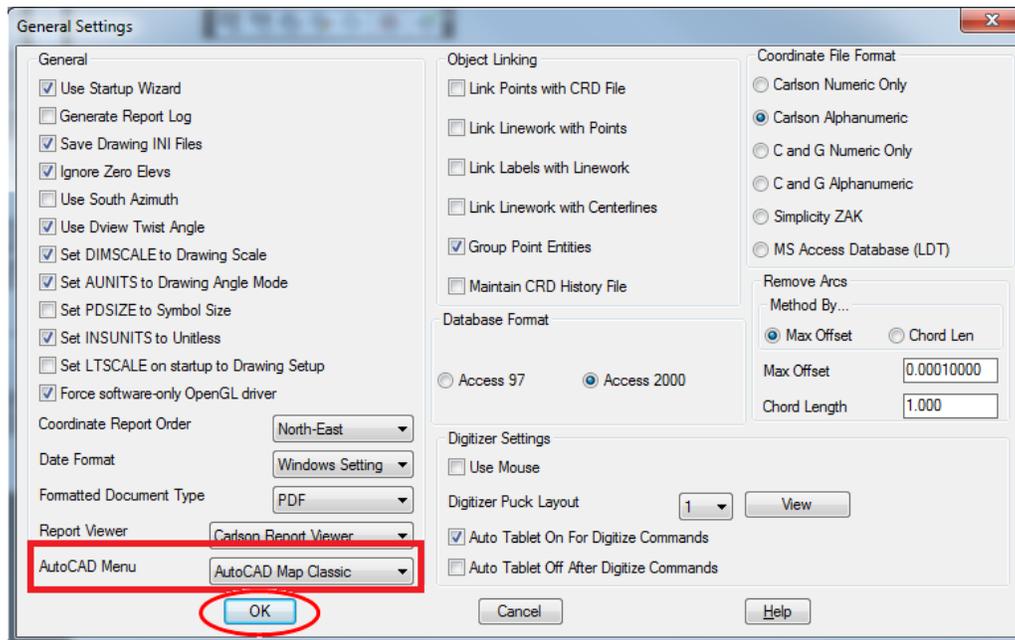
- Set / verify that Carlson 2011 is set to open to the 'AutoCAD Map Classic' menu.
- Select the 'Settings' menu dropdown and click on **Carlson Configure...**



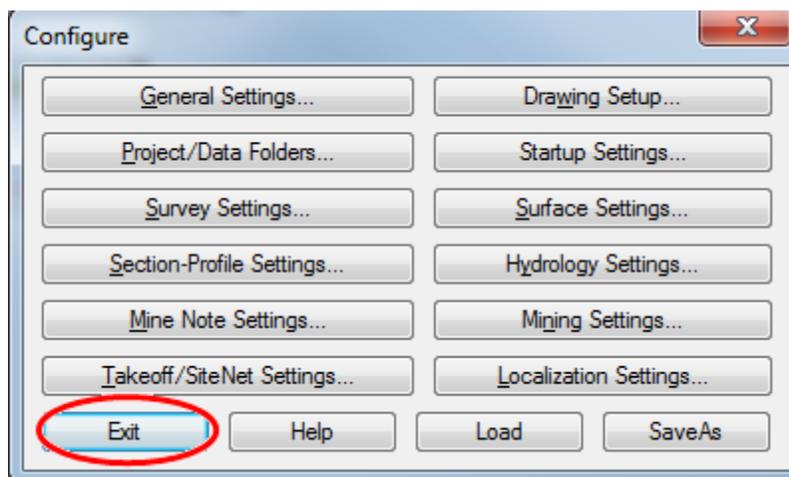
- Click **General Settings...**



- Verify / select **AutoCAD Map Classic** as the setting for 'AutoCAD Menu.'
- Click **OK** to continue.

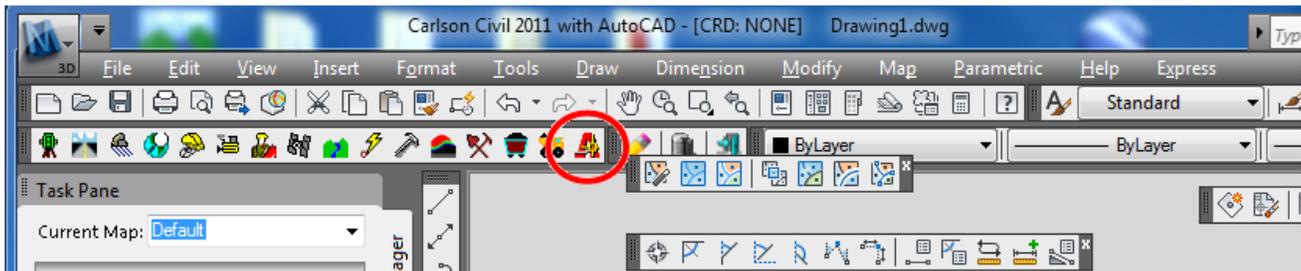


- Click **Exit** to close Carlson 2011 configuration.

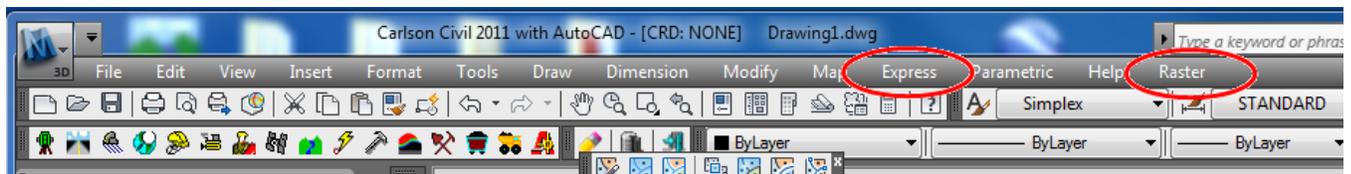


Restore AutoCAD Express Tools and / or Raster Design Menus

- Launching Carlson 2011 using the program 'Start' menu or desktop shortcuts will set AutoCAD with Carlson 2011 to open minus the 'Express' (i.e., Express Tools) and / or 'Raster' (i.e., Raster Design) dropdown menus [The 'Raster' menu is only applicable if Raster Design has been installed.].
- Once the menus are restored per the steps below, the settings will be preserved. The 'Express' and 'Raster' menus will be included no matter what program shortcuts or 'Start' menu item is used to open AutoCAD Map / Carlson 2011.
- Change to the AutoCAD Map menu by clicking on the 'AutoCAD' menu toolbar icon.

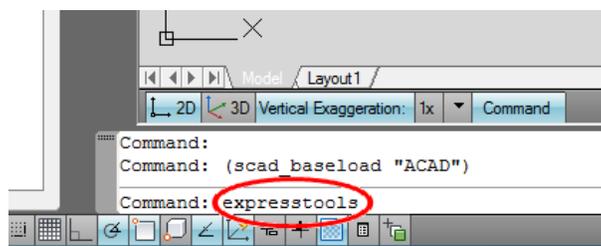


- Note the resulting 'AutoCAD Map Classic' menu list.
- If 'Express' and 'Raster' are not included as menu dropdowns, they must be restored.
- Note: The 'Express' and 'Raster' menus may not appear in the same position or order as shown in the screen capture below.



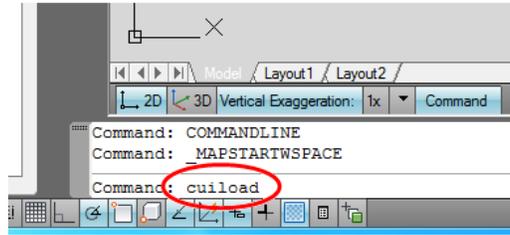
'Express' Menu:

- To restore the 'Express' menu, simply enter '**expresstools**' on the program command line and press '**Enter**' (i.e., type 'expresstools' and press the enter/return key.).

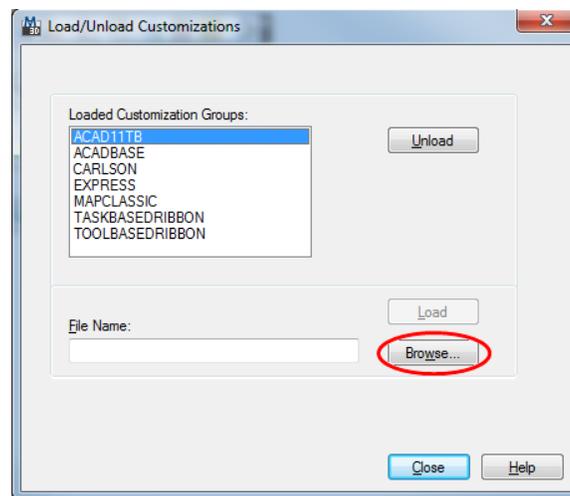


'Raster' Menu:

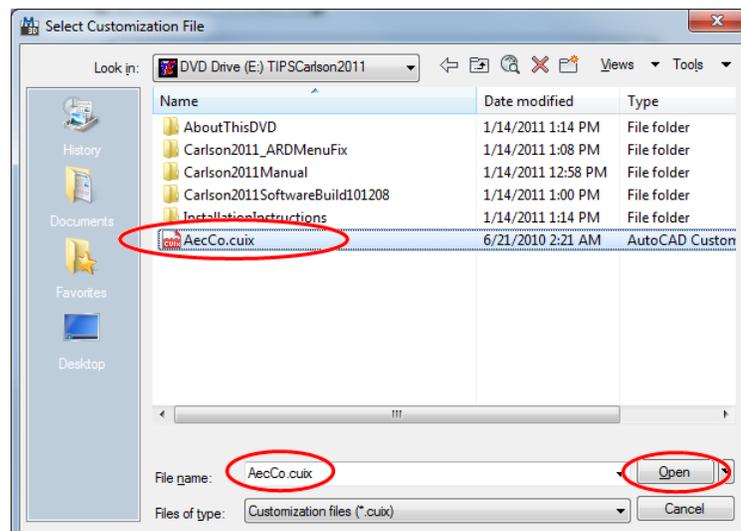
- Restoration of the 'Raster' menu is necessary only if AutoCAD Raster Design 2011 has been installed. If Raster Design has not been installed, proceed to page 19.
- Enter 'cuiload' or 'menuload' on the program command line and press 'Enter'.



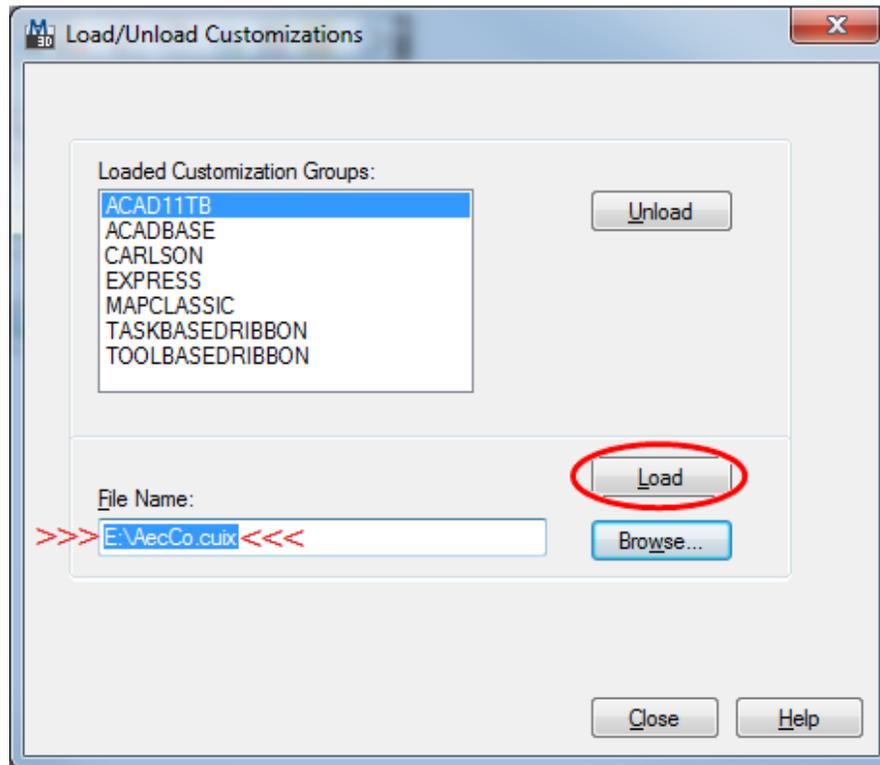
- Use 'Browse' to navigate to the DVD drive root directory (a copy of the 'Raster' menu file 'AecCo.cuix' is located there.).
- Note that the file can also be found in the AutoCAD Raster Design 2011 program 'Support' folder (The default path would be 'C:\Program Files\Autodesk\AutoCAD Raster Design 2011\UserDataCache\Support\AecCo.cuix').



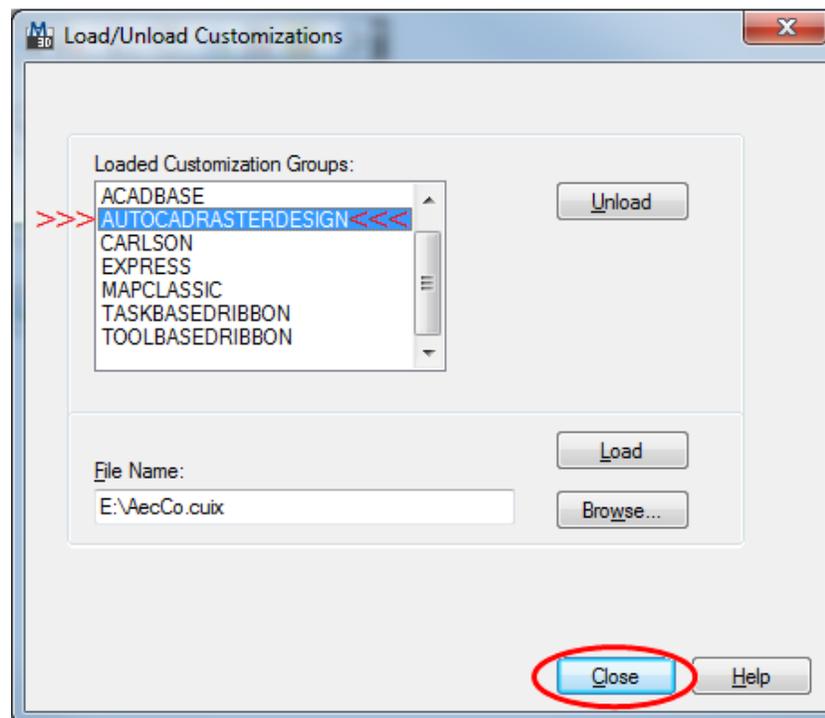
- From the DVD root directory, highlight / select the file 'AecCo.cuix', and click **Open**.



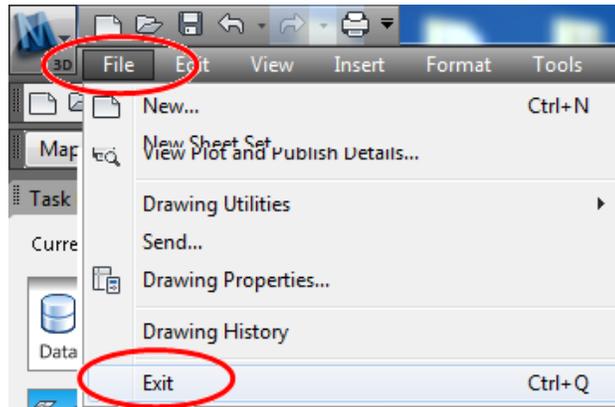
- Note that the path to 'AecCo.cuix' is shown.
- Click **Load** to complete the menu load.



- Note that 'AUTOCADRASTERDESIGN' is now included in the list of 'Loaded Customization Groups'.
- Click **Close** to exit the 'cuiload' routine.



- Go to the 'File' menu dropdown and click **Exit** to close the program (Click **No** when prompted to save the drawing file).
- This completes installation and initial setup of Carlson Software 2011.



Latest Program Version / Updates

- The latest program full version and updates / patches can be accessed / downloaded at any time by visiting <http://update.carlsonsw.com/updates.php>; selecting the product 'Carlson Survey/Civil/Mining/Takeoff for CAD'; clicking **Show Files**; and then selecting product version '2011 for AutoCAD/IntelliCAD'.



Carlson Software is dedicated to providing the finest software to Land Surveyors, Civil Engineers, Mining Engineers, and Land Development Professionals

Select product you are looking for: Carlson Survey/Civil/Mining/Takeoff for CAD
 Select product version: 2011 for AutoCAD/IntelliCAD **Show Files**
 Carlson 2011 download page



Before downloading any updates, go to Help->About Carlson and verify that you are running **Carlson 2011**. If you are not, then do not download any updates from this page.

Please update your contact and notification preferences as needed:
 or Visit [subscribe](#) page.

Name: Email: General News Carlson Updates

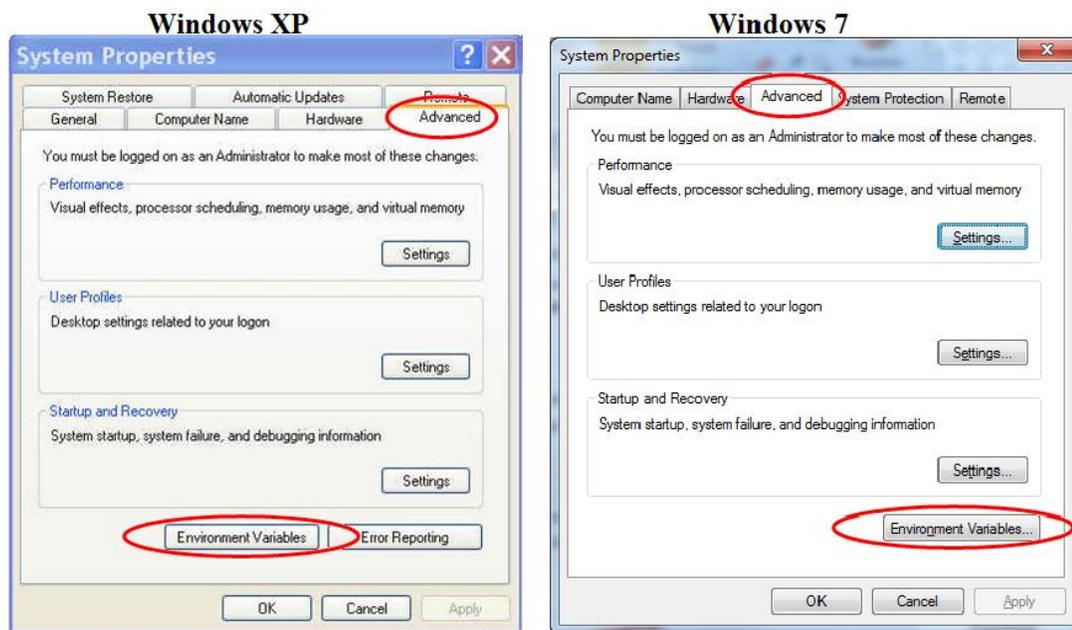
	Download	File Size	File Date	Description
1	<input type="button" value="Download"/>	682,395,542	Jan-17-2011	This is a full version Carlson 2011. The following modules are included: Survey, Civil, Hydrology, GIS, Basic Mining, Geology, Underground Mining, Surface Mining, Natural Regrade, Field, Takeoff, Construction and Point Clouds. This can be installed on AutoCAD 2000-2011 or with included Intellicad 6.6. Intellicad 7.0 is also included, but remain in a beta/preview state, so it should not be used for production work. AutoCADs 2009-2011 are supported on 64-bit Windows. Carlson 2011 Serial number is required for installation. Users on the active maintenance agreement can lookup their upgraded serial number by clicking here . Filename: Carlson2011.exe
2	<input type="button" value="Download"/>	98,661,882	Sep-27-2010	Carlson 2011 User Manual Filename: Carlson2011_manual.pdf
3	<input type="button" value="Download"/>	56,509,199	Jan-17-2011	This is a patch for users running Carlson 2011 on AutoCAD 2009 64-bit products. Filename: Carlson2011Update_acad17_x64_install.exe
4	<input type="button" value="Download"/>	40,266,453	Jan-17-2011	This is a patch for users running Carlson 2011 on AutoCAD 2000-2002 products. Filename: Carlson2011Update_acad15_install.exe
5	<input type="button" value="Download"/>	47,518,097	Jan-17-2011	This is a patch for users running Carlson 2011 on AutoCAD 2004-2006 products. Filename: Carlson2011Update_acad16_install.exe
6	<input type="button" value="Download"/>	54,947,605	Jan-17-2011	This is a patch for users running Carlson 2011 on AutoCAD 2007-2009 32-bit products. Filename: Carlson2011Update_acad17_install.exe
7	<input type="button" value="Download"/>	51,260,203	Jan-17-2011	This is a patch for users running Carlson 2011 on AutoCAD 2010 and 2011 64-bit products. Filename: Carlson2011Update_acad18_x64_install.exe

Accessing Windows Environment Variables

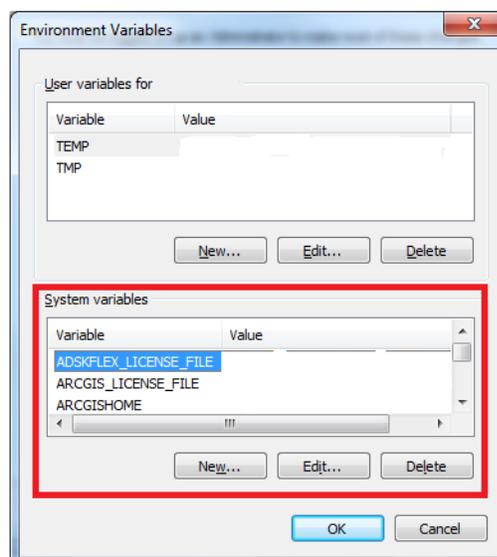
Certain environment variables must be set to allow Autodesk products to obtain a license from the TIPS license server. Specific information on the necessary variables is listed in the software distribution letter mailed to your TIPS contact.

To access the environment variables:

- Navigate to **Start Menu -> Control Panel -> System** to open the 'System Properties' window (In Windows 7, **Start Menu -> Control Panel -> System->Advanced System Settings**).
- On the 'System Properties' window, select the '**Advanced**' tab and click **Environment Variables**.



- The lower half of the resulting Environment Variables dialog box is the area where you can add new variables or edit existing ones.



Installation / Update Contacts

If you have any installation or update questions or difficulties, contact Tom Mastaller at (412) 937-2108 or TMASTALLER@OSMRE.GOV; if Tom is unavailable, contact Tonya Mullins at (276) 523-0042 x13 or TMULLINS@OSMRE.GOV.

Additional information (e.g., most recent installation instructions and installation FAQs) is available on the TIPS CAD Software webpage <http://www.tips.osmre.gov/CAD/default.htm>.

