

# TIPS Carlson Software 2014 Installation Instructions

## Getting Started

- All TIPS users must install the latest K2Client (KeyClient) 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 KeyClient is available on the TIPS website <http://www.tips.osmre.gov/Software/Downloads.shtml>.
- Before starting the installation process, you will need the following:
  - TIPS Carlson Software 2014 DVD or download from the Carlson website at <http://update.carlsonsw.com/updates.php>.
  - Serial number, hosts file, and environment variable information provided with the OSM TIPS distribution.
  - **Administrator credentials are required for program installation.**
  - 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.

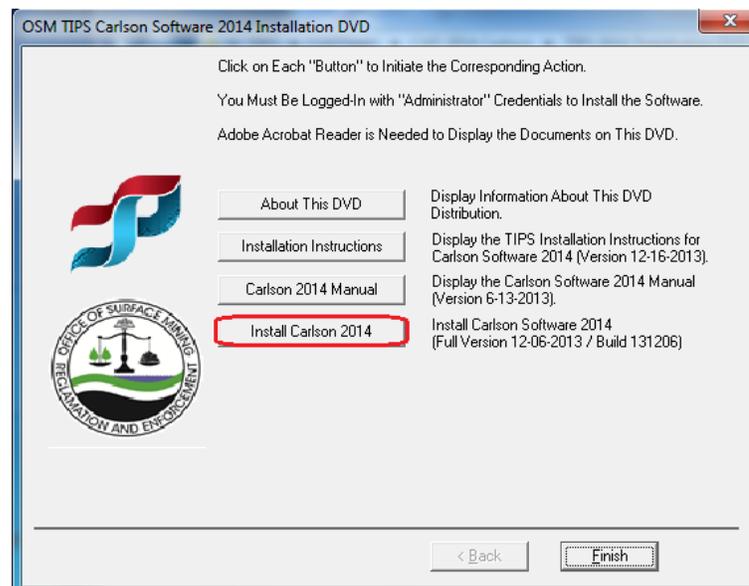
## General Overview

In order to properly install Carlson Software 2014, 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 also recommended that it be installed and run once prior to installing Carlson 2014.
  2. Use the instructions below to install Carlson Software 2014. These instructions are based on installation onto AutoCAD Map 3D 2014 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 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 2014 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 by visiting <http://update.carlsonsw.com/updates.php>.
  5. Have the end user log-in, open Carlson, and follow the detailed instructions to set the default 'AutoCAD Map Classic' menu, and restore 'Express' and 'Raster' menu dropdowns if necessary (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 Stefanie Self at (412) 937-2105 or SSELF@OSMRE.GOV.
  - Additional information (e.g., most recent installation instructions and installation FAQs) is available on the TIPS webpage <http://www.tips.osmre.gov/Software/cad/CAD.shtml>.

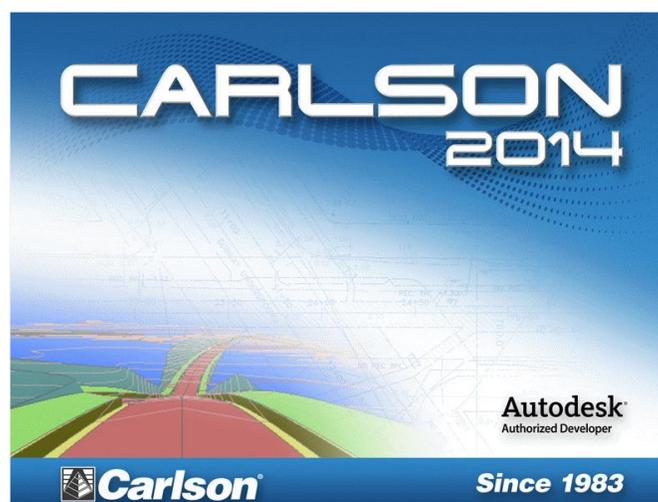
## Initialize Carlson 2014 Installation

- 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 2014 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 2014 Installation DVD'.
- "Single-click" on **Install Carlson 2014** 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 'InstallCarlson2014.exe' to install.).

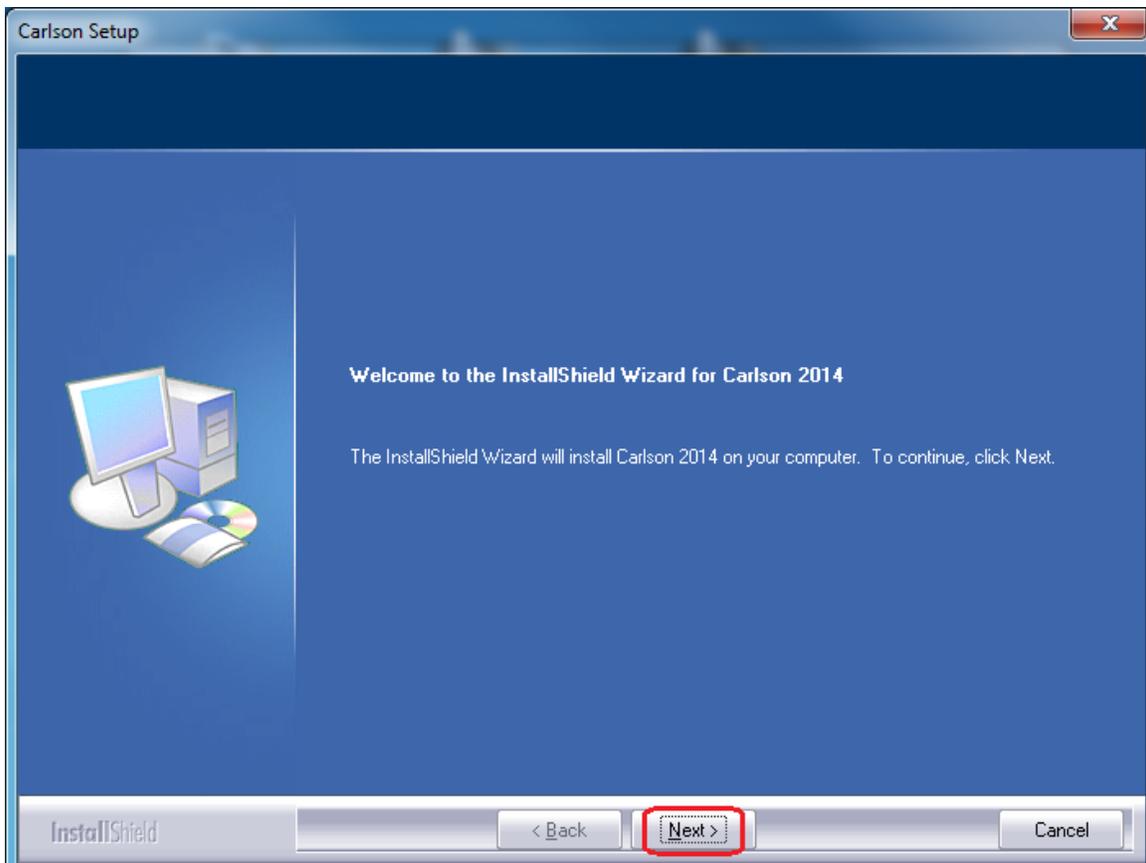


**or**

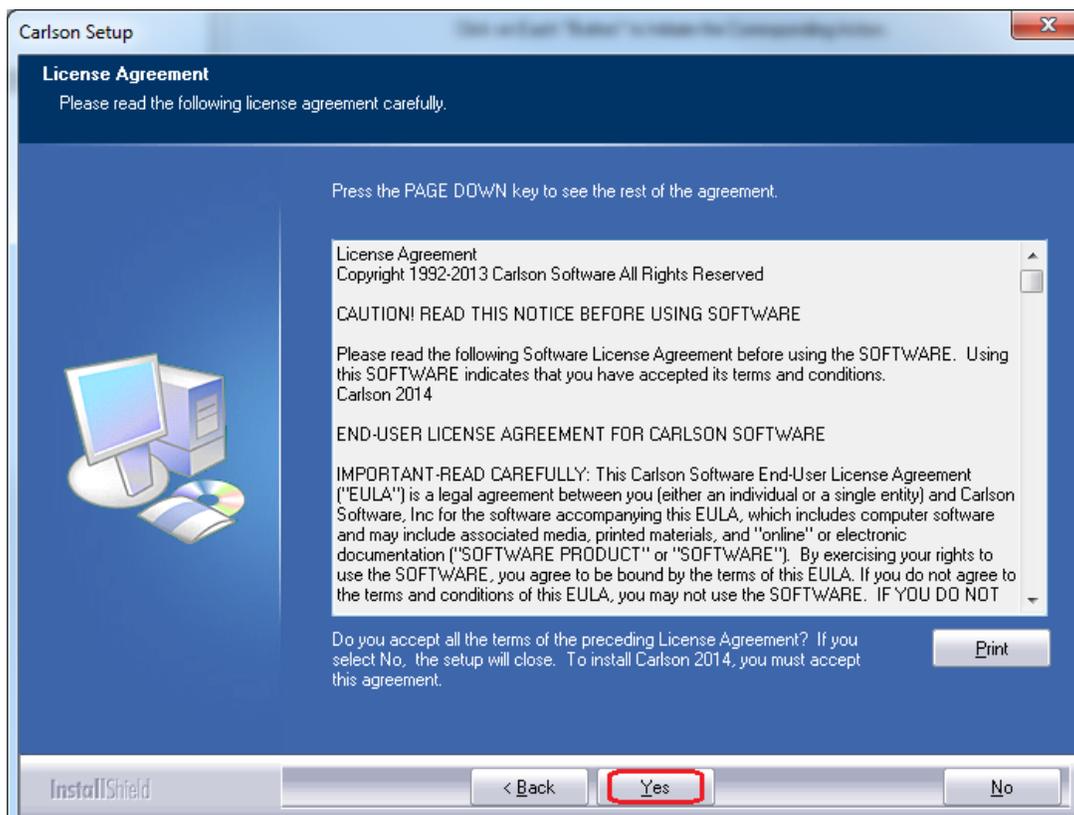
- If you obtained the software via download, navigate to the location where the full version EXE file was saved and double-click on the file (i.e., Carlson2014.exe) to initialize the installation program.
- The Carlson 2014 installation process will initialize... (Note: If an "Open File – Security Warning" or "User Account Control" window appears, click **Run** or **Yes** and continue.)



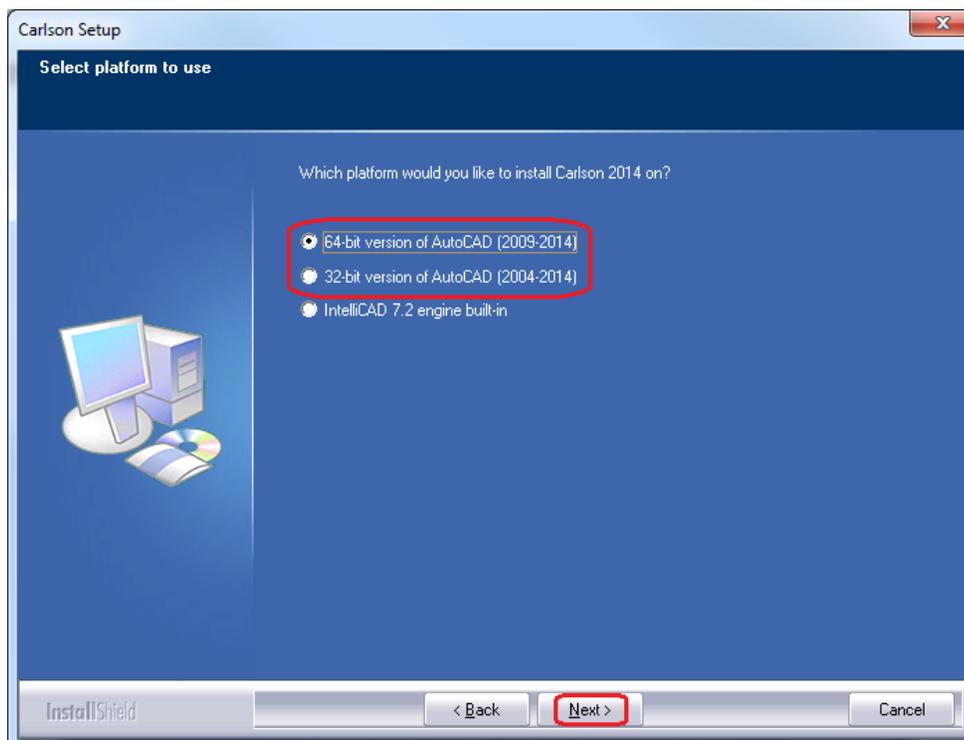
- Click **Next** to continue with the installation.



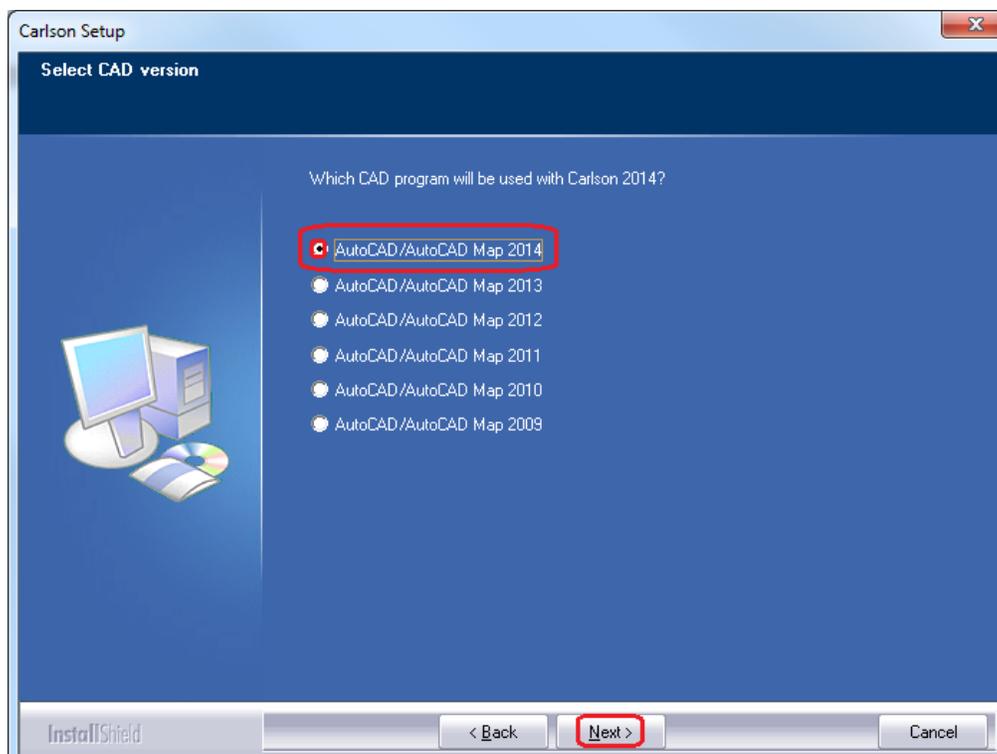
- Review and, if agreeable, click **Yes** to accept the licensing agreement.



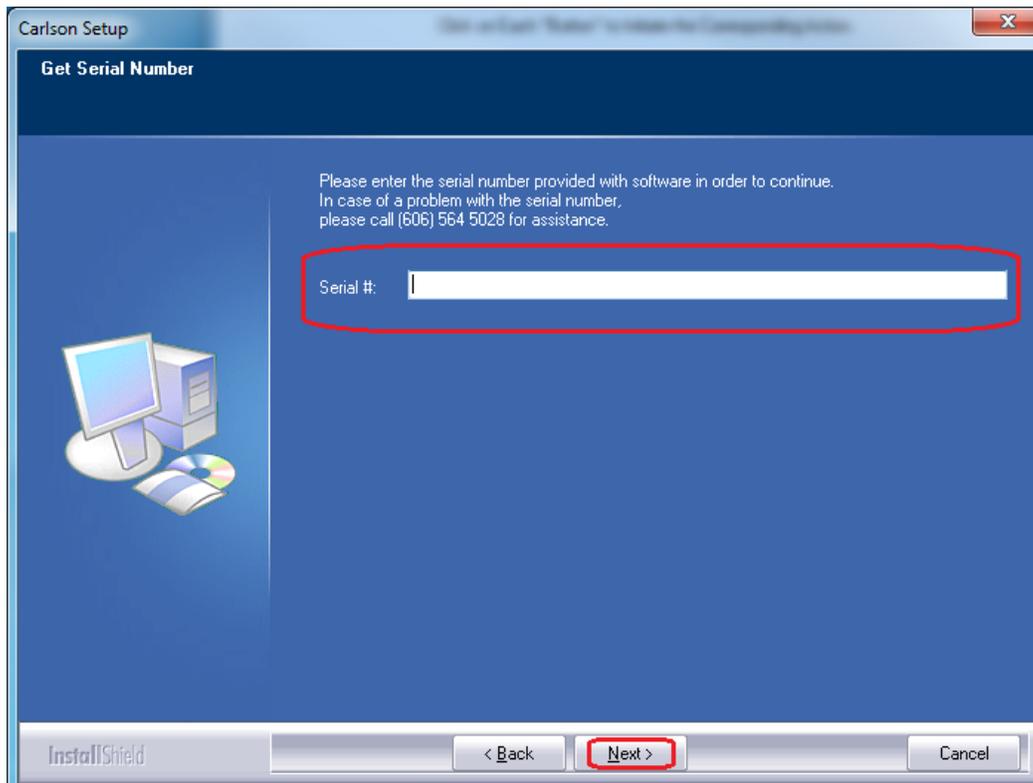
- Select the applicable platform (i.e., 64-bit or 32-bit) version that you want to install (in this case, click on the circle next to **64-bit version of AutoCAD...**; note that installations on 32-bit systems will not have the 64-bit choice and should select the only AutoCAD option).
- Click **Next** to continue.



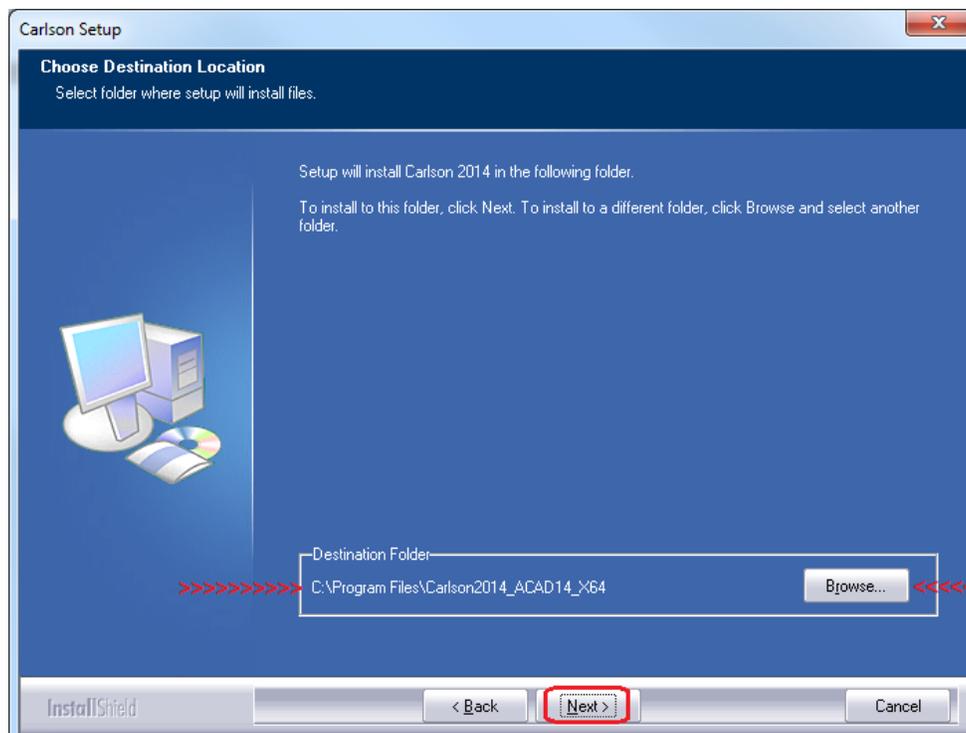
- Select the version of CAD software that you want to use with Carlson 2014 (in this case, click on the circle next to **AutoCAD / AutoCAD Map 2014**).
- Click **Next** to continue.



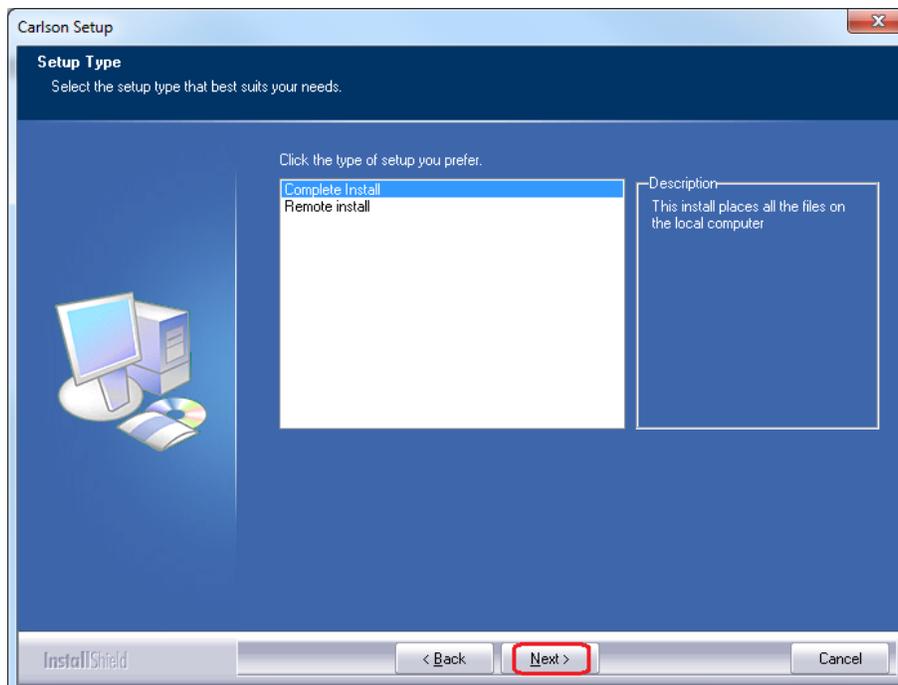
- Enter the Serial number provided with the distribution.
- Click **Next** to continue.



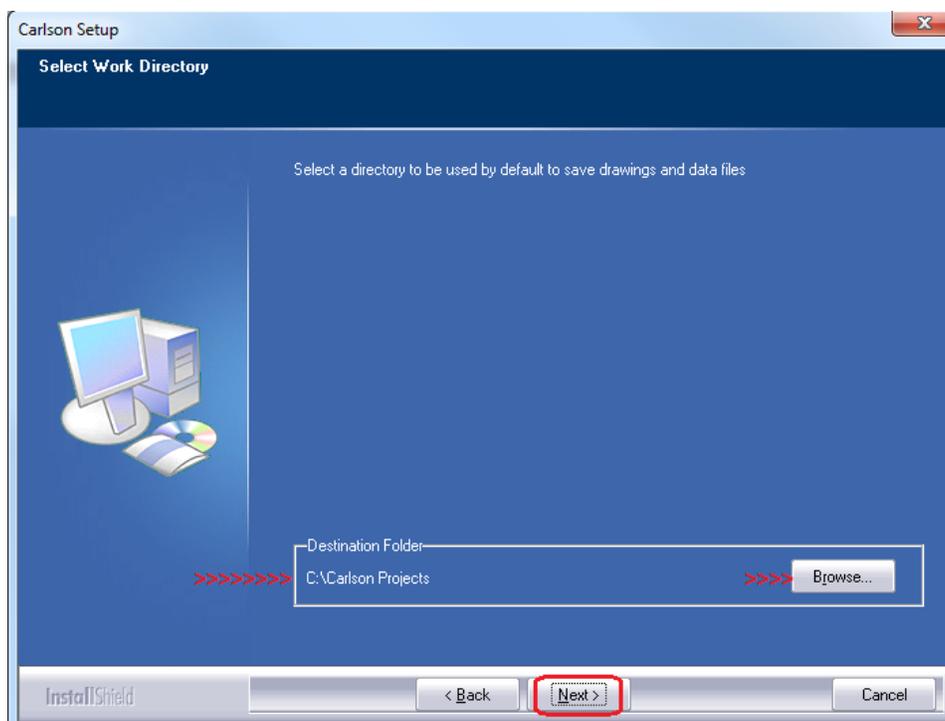
- Verify the install path. The default 'C:\Program Files\Carlson2014\_ACAD14\_Xxx' is recommended.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



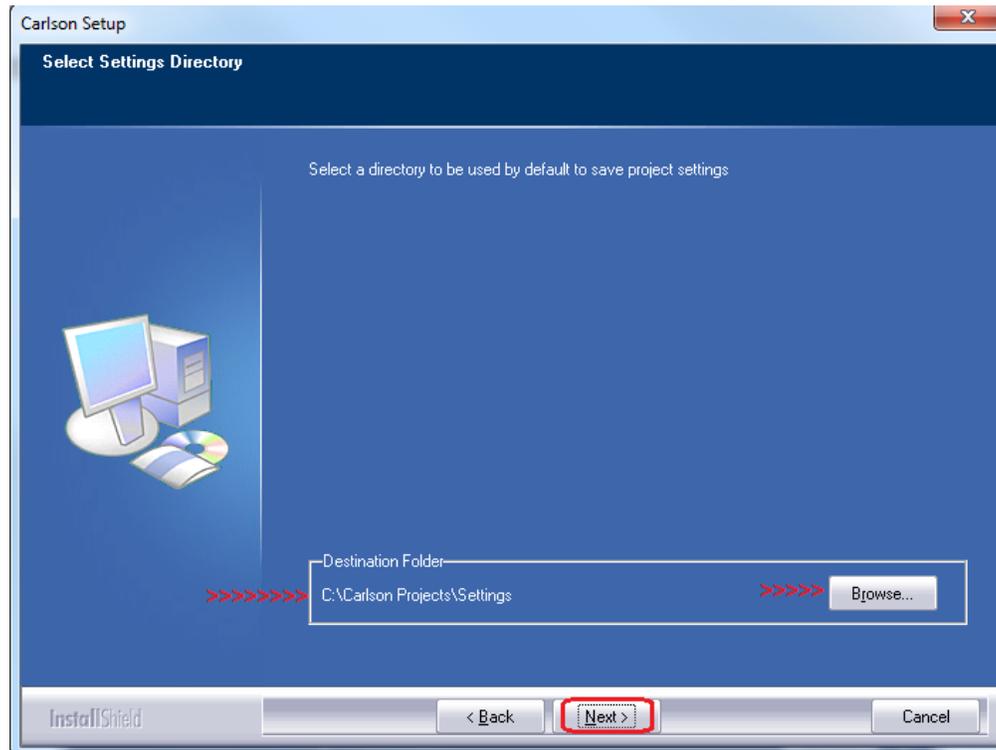
- Choose the preferred Setup Type:
  - ‘Complete Install’ copies all files to the user computer.
  - ‘Remote Install’ copies some files to the user computer and some to a network server.
- The ‘Complete Install’ option is recommended (The ‘Remote Install’ option has not been tested and is not supported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



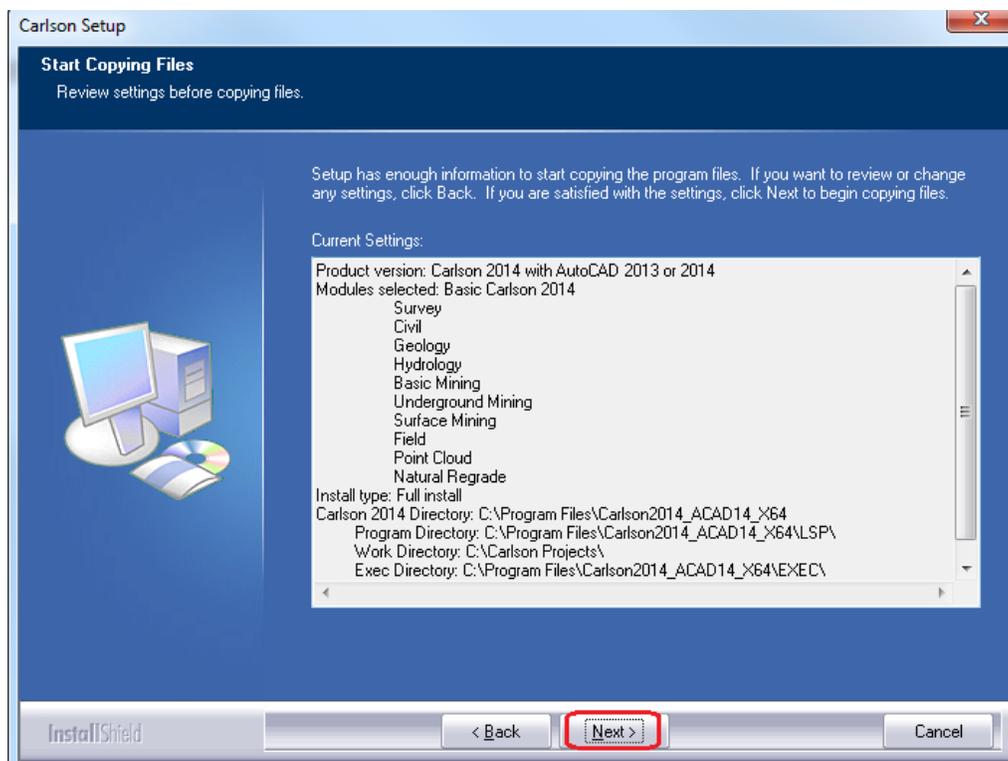
- Verify the Carlson work directory. This is where the program will store drawing and data files by default. The default 'C:\Carlson Projects' is acceptable.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



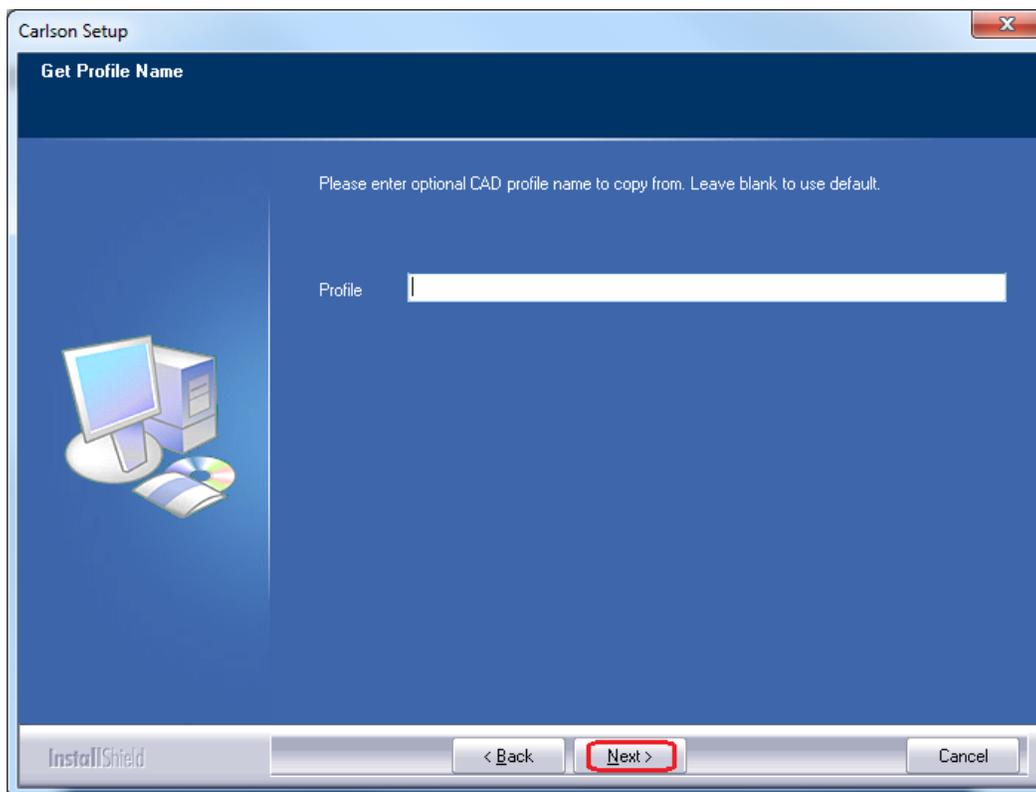
- Verify the project settings directory. The default 'C:\Carlson Projects\Settings' is recommended.
- Use **Browse** to change the default location if desired.
- Click **Next** to continue.



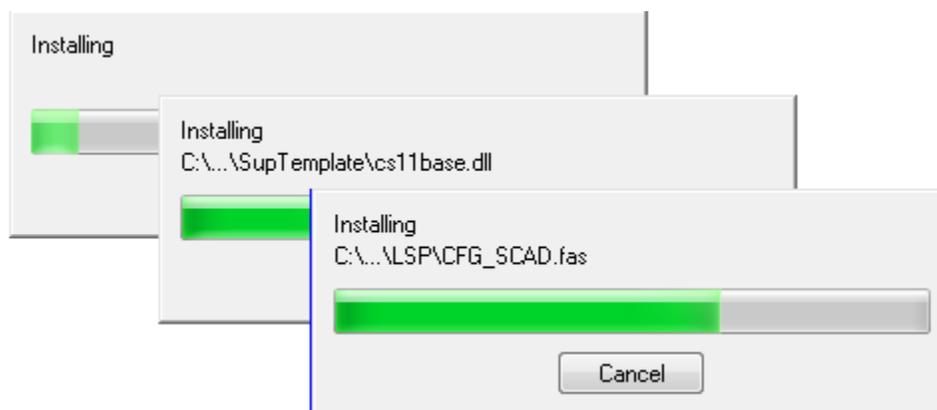
- Review the information in this dialog box to ensure that all settings are as desired.
- If changes are needed, click **Back** to revert to the appropriate screen(s) and revise as necessary.
- Click **Next** to continue.



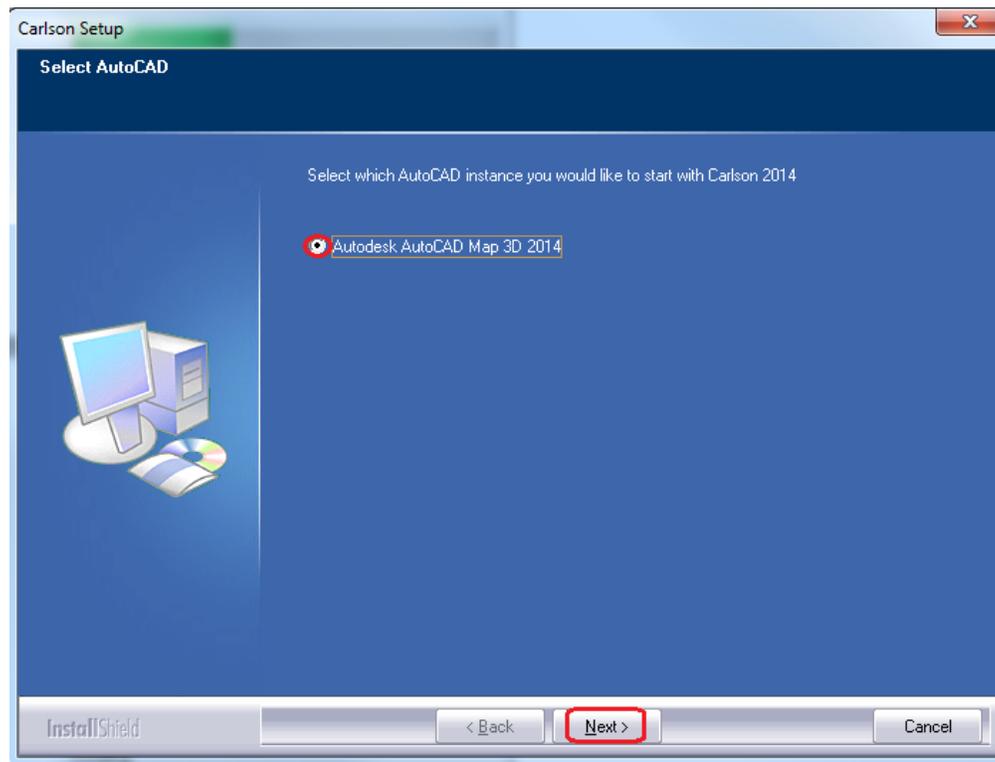
- Enter an optional CAD profile if the user or your office has specified one.
- The default (i.e., leave blank) is recommended.
- Click **Next** to continue.



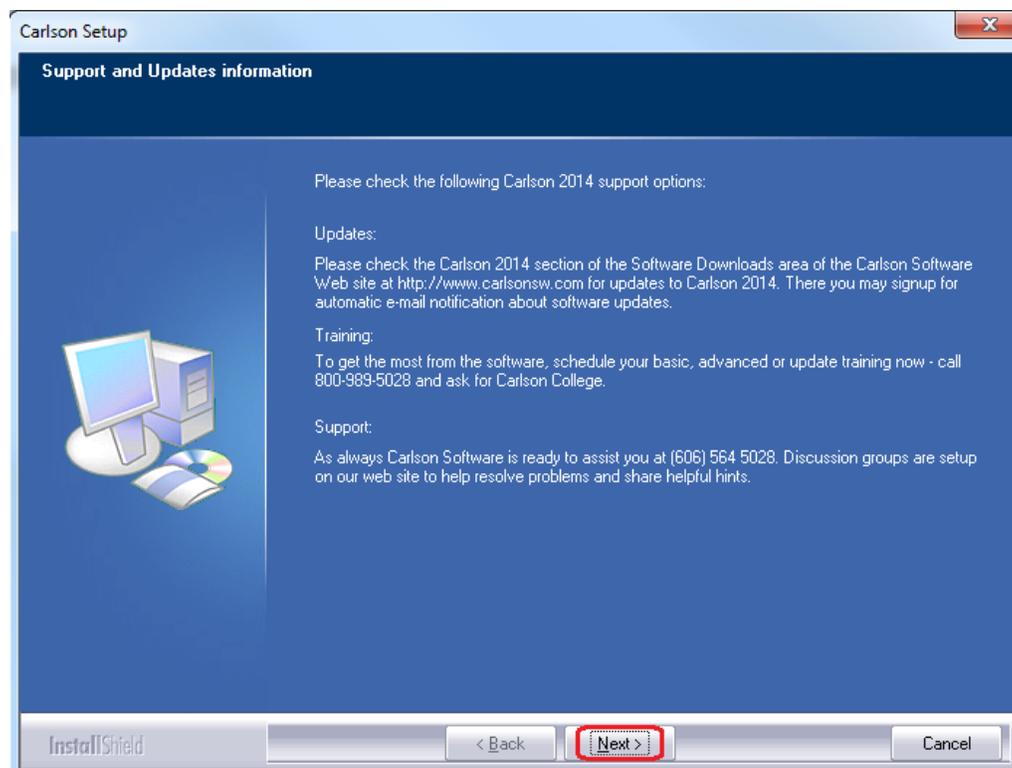
- The installation will progress with files being copied...



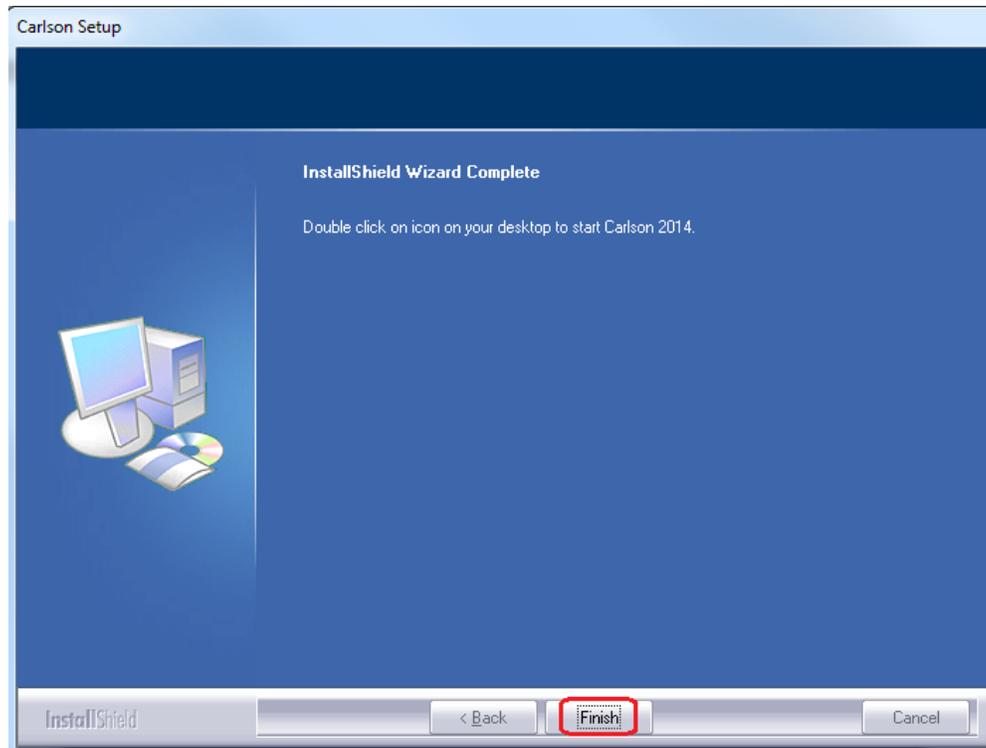
- When prompted, select the version of the Autodesk product that you would like to start with Carlson 2014 (in this case, **AutoCAD Map 3D 2014**). This is dependent on what version of Autodesk software is installed and was specified in the step at the bottom of page 4.
- Click **Next** to continue.



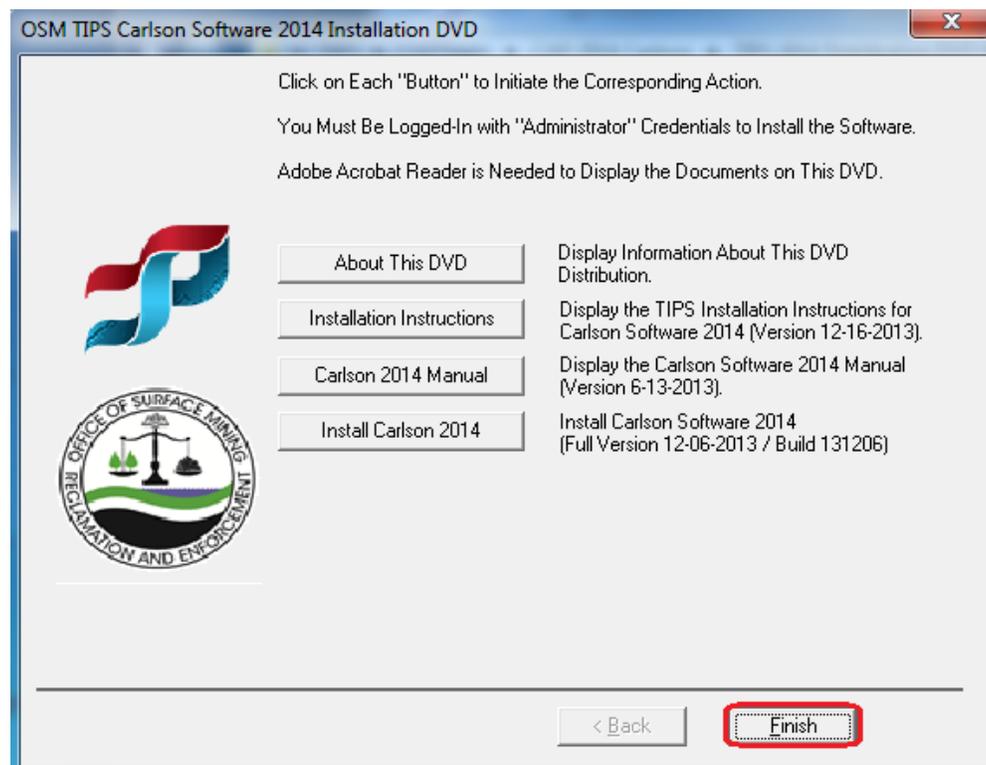
- The installation will continue with additional files being copied...
- After file copying is complete, 'Support and Updates information' will be displayed.
- Click **Next** to continue.



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

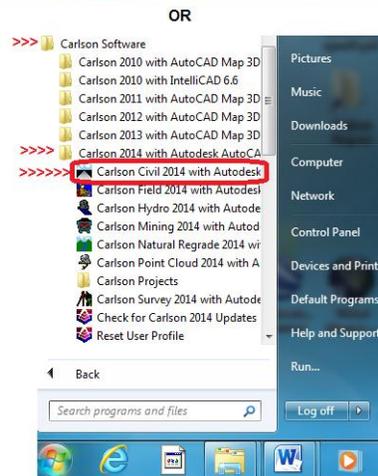


- Click **Finish** to close the 'OSM TIPS Carlson Software 2014 Installation DVD'.
- You may also want to close the DVD folder used to initiate the TIPS DVD installation routine and / or 'Exit' any command window that may be open.

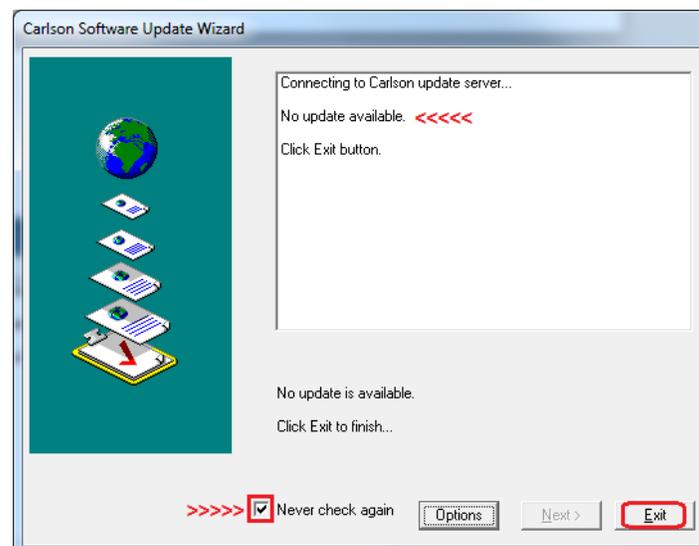


## Launch Carlson 2014 / Program Updates / Registration

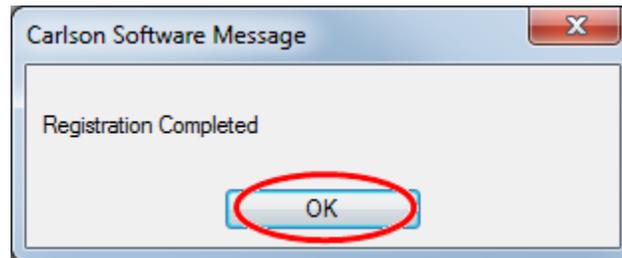
- Note: Before launching Carlson Software 2014, you must set the environment variable LSHOST and the HOSTS file according to information provided with the TIPS distribution package. If a previous version of TIPS Carlson software was installed, the required settings will have already been applied. (See page 20 for details on accessing the environment variable.)
- *While still logged-in with Administrator credentials*, launch Carlson Software 2014 from one of the Carlson desktop shortcuts or from the MS Windows Start Menu.



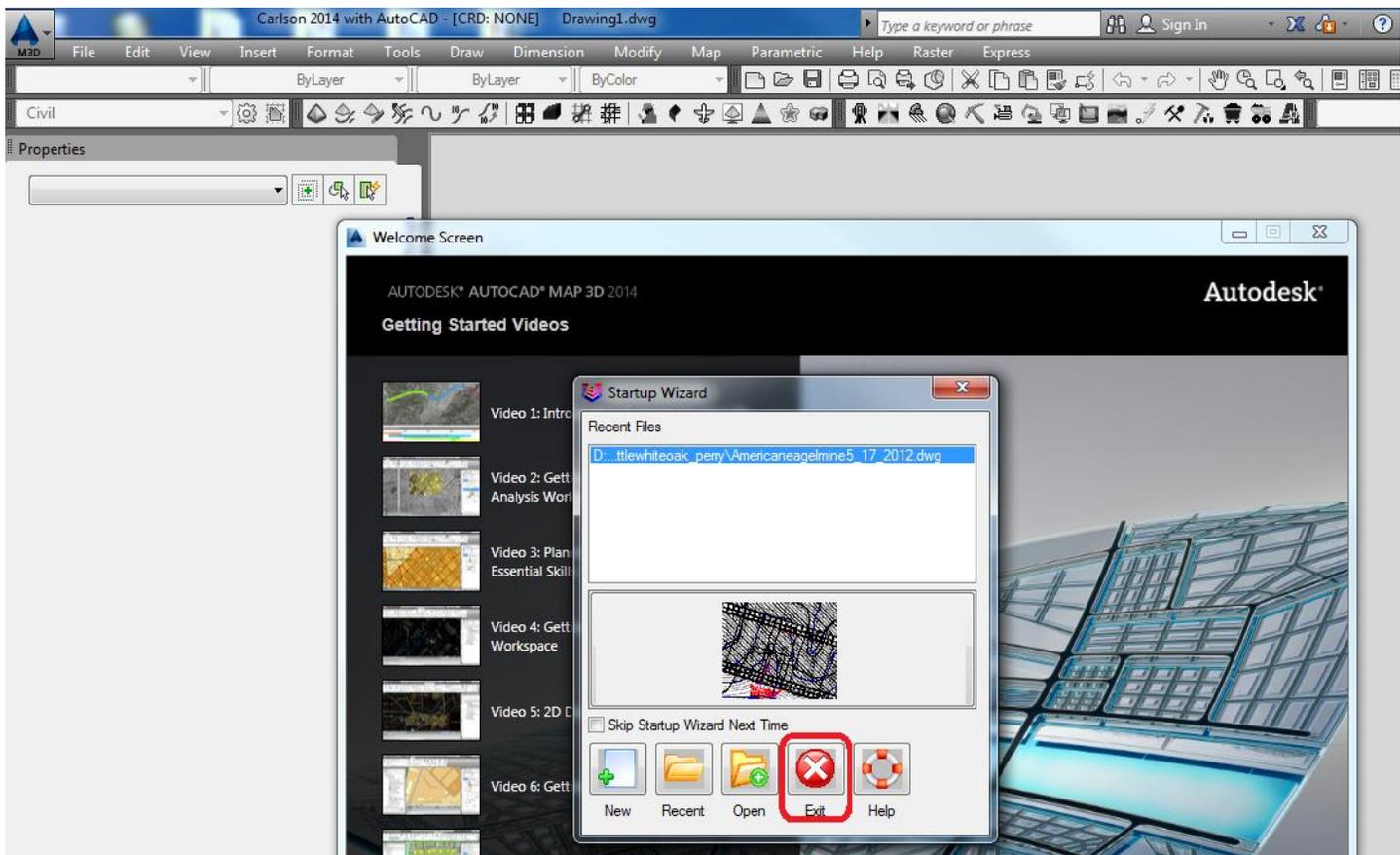
- The program will automatically check for main program updates upon the first run and thereafter when the program is run (via internet connection).
- If updates are identified during this process, it is recommended that they be downloaded and installed to ensure that the most current features are available 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 2014 / Carlson Software 2014 will proceed to open.
- **Note that if the AutoCAD Map ‘Select Your Default Workspace’ screen appears, select any workspace to continue...**
- **Note that the AutoCAD Map ‘Welcome Screen’ will also appear if it has not previously been disabled. You must wait for the Carlson registration process to complete and for the Carlson ‘Startup Wizard’ to appear before you can close the ‘Welcome Screen’.**
- The Carlson registration process will complete.
- Click **OK** to continue.

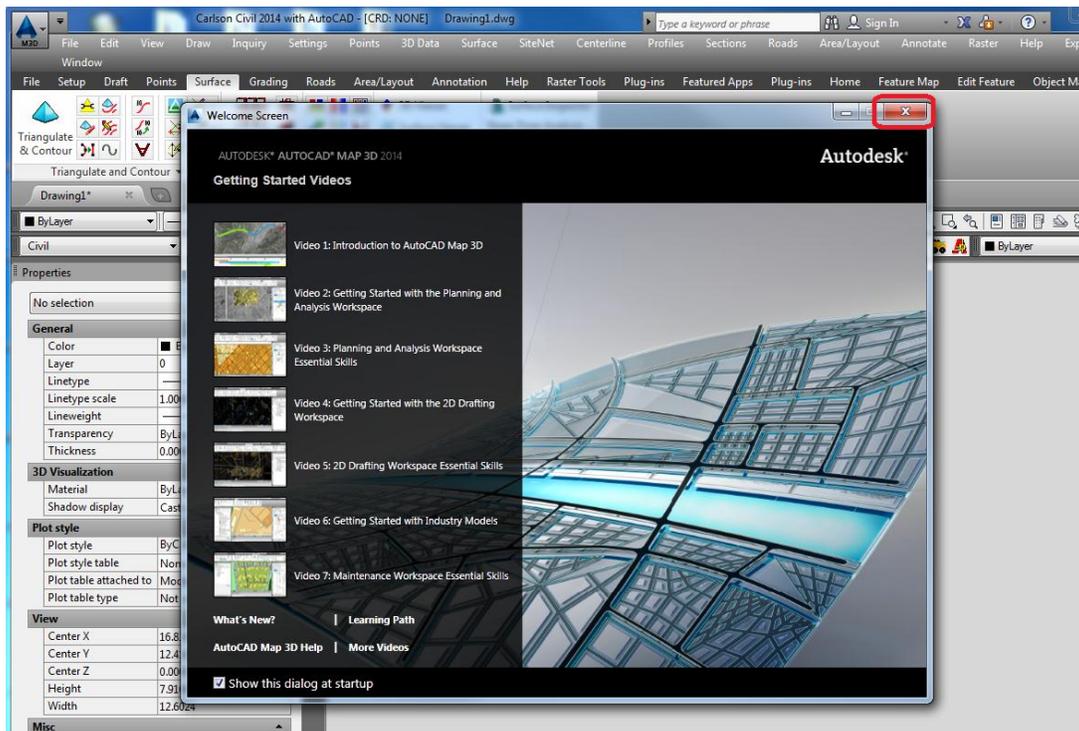


- The Carlson 2014 ‘Startup Wizard’ window will open as a default. Click **Exit** to close the window and continue the software start-up.
- Note: The ‘Startup Wizard’ will not appear if the user had previously altered this setting and the installation included copying the settings.

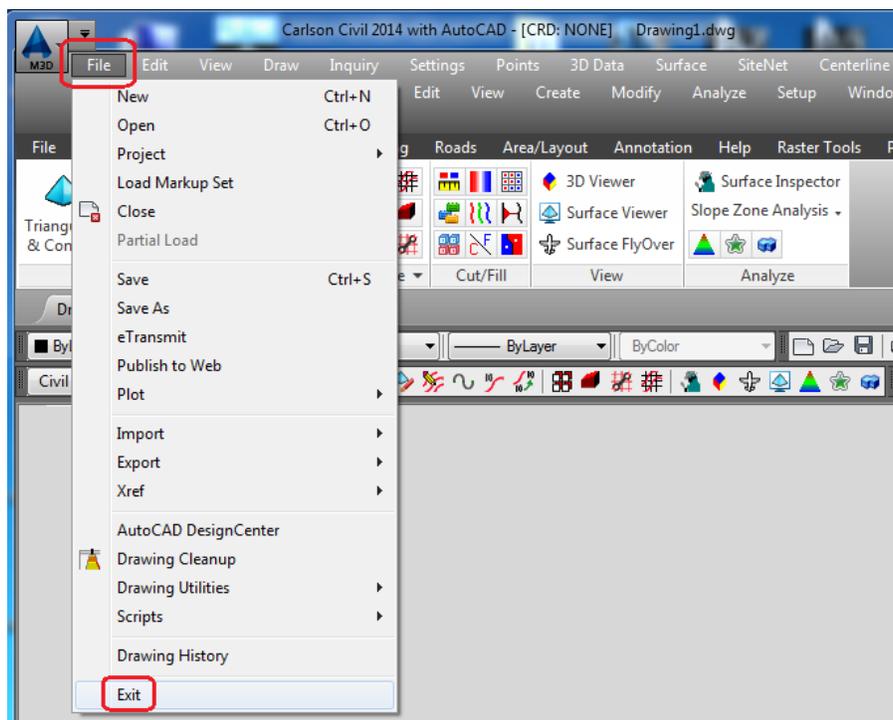


- Carlson 2014 will continue to open.

- Once the program opens completely, you can then close the AutoCAD Map ‘Welcome Screen’ by clicking on the “X” in the upper right corner...



- 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).

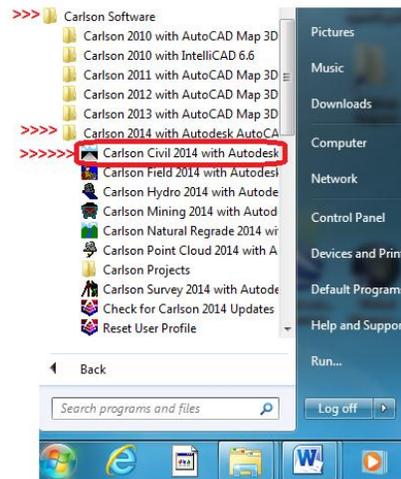


## Launch Carlson 2014 as the End User and Set Program Defaults

- Have the end user log-in.
- Have the user launch Carlson Software 2014 from one of the Carlson desktop shortcuts or from the MS Windows Start Menu.



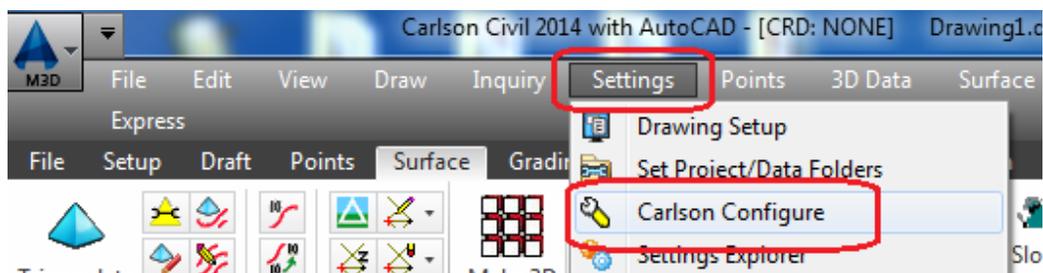
OR



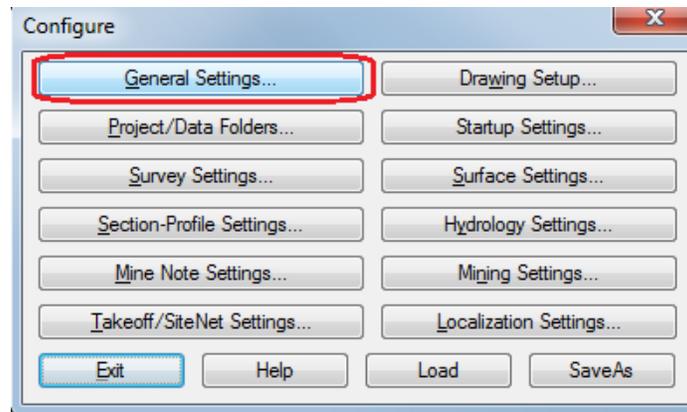
- If the Carlson update screen appears, click **Exit**.
- If the AutoCAD Map 'Select Your Default Workspace' screen appears, select any workspace to continue...
- The AutoCAD Map 'Welcome Screen' will also appear if it has not previously been disabled. You must wait for the Carlson 'Startup Wizard' to appear before you can close the 'Welcome Screen'.
- Wait for the Carlson 2014 'Startup Wizard' window to appear; click **Exit** to close the window and continue the software start-up (Note that the 'Startup Wizard' will not appear if the user had previously altered this setting and the installation included copying the settings.).
- Carlson 2014 will continue to open.
- Once the program opens completely, you can then close the AutoCAD Map 'Welcome Screen' by clicking on the "X" in the upper right corner.

### Set 'AutoCAD Map Classic' Menu:

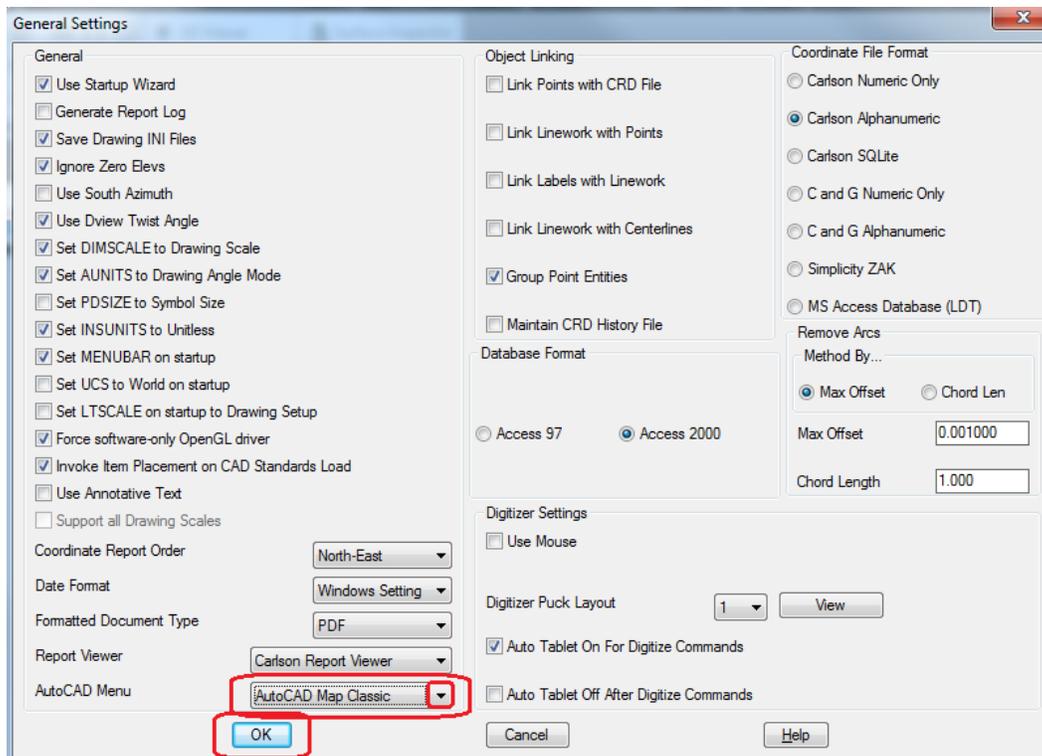
- Set / verify that Carlson 2014 is set to open to the 'AutoCAD Map Classic' menu.
- Select the 'Settings' menu dropdown and click on **Carlson Configure...**



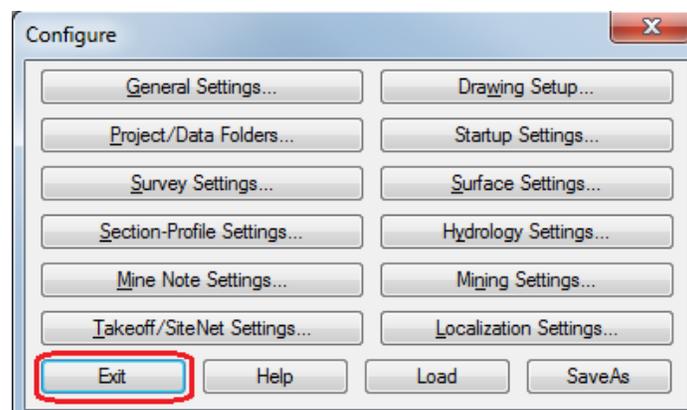
- Click **General Settings...**



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

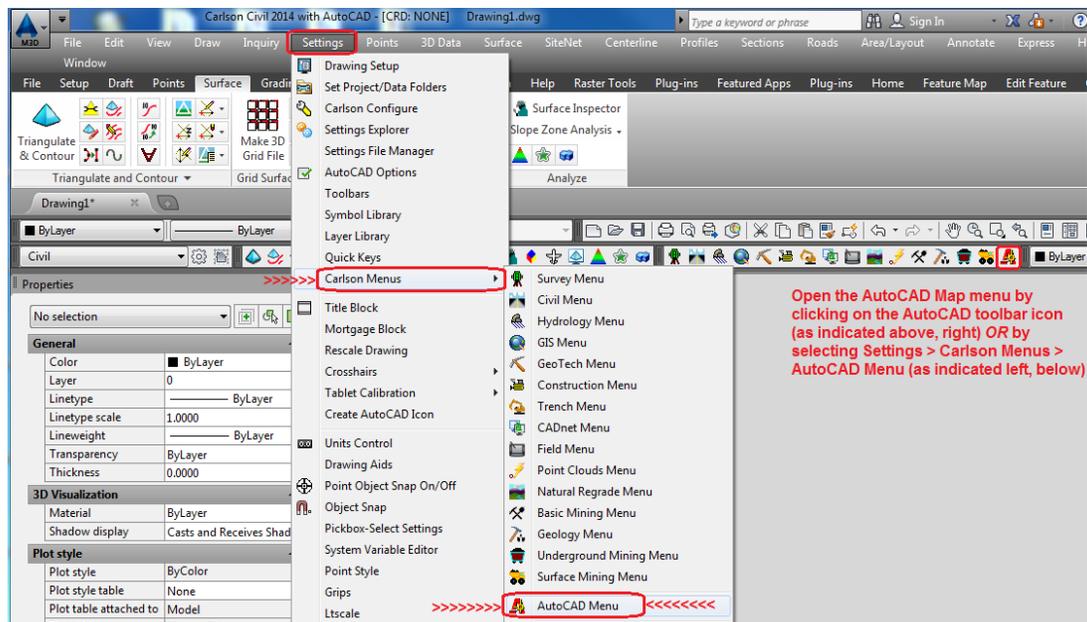


- Click **Exit** to close Carlson 2014 configuration.

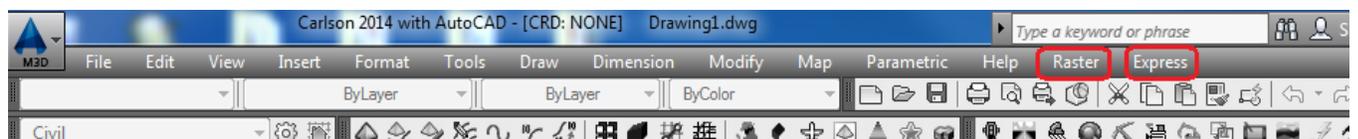


## Restore AutoCAD Express Tools and / or Raster Design Menus

- Launching Carlson 2014 using the program 'Start' menu or desktop shortcuts will set AutoCAD with Carlson 2014 to open minus the 'Express' (i.e., Express Tools) and possibly the '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 menus will be included no matter what program shortcuts or 'Start' menu item is used to open AutoCAD Map / Carlson 2014.
- Change to the AutoCAD Map menu by clicking on the 'AutoCAD' menu toolbar icon or 'AutoCAD Menu' dropdown.

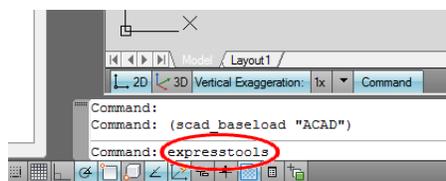


- Note the resulting 'AutoCAD Map Classic' menu list.
- If 'Express' and 'Raster' are not included as menu dropdowns, they must be restored (Carlson 2014 menus should normally include the 'Raster' menu and so it may not need to be restored.).
- Note: The 'Express' and 'Raster' menus may not appear in the same position or order as shown in the screen capture below.



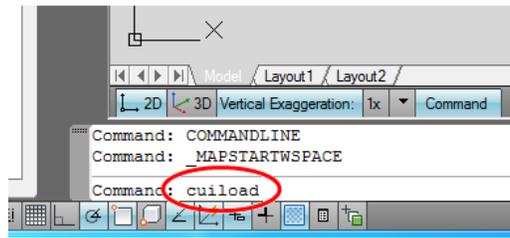
### 'Express' Menu:

- 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.).

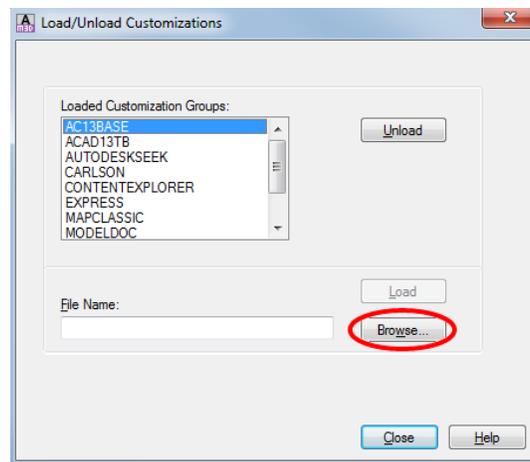


## 'Raster' Menu:

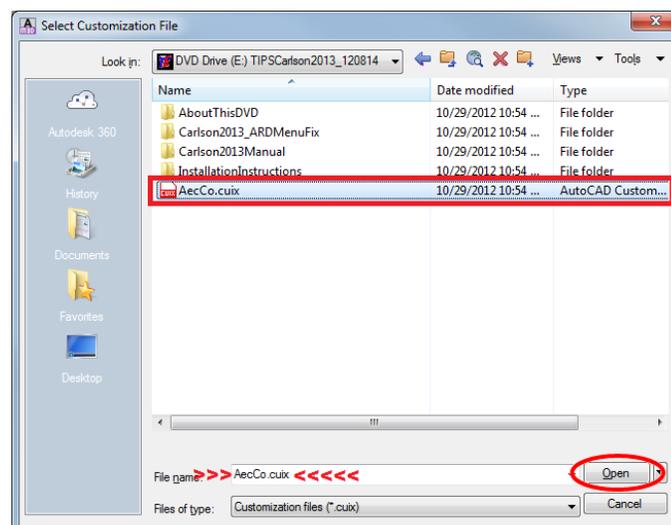
- Restoration of the 'Raster' menu is necessary only if AutoCAD Raster Design 2014 has been installed and the dropdown is missing from the Carlson menu(s). If Raster Design has not been installed or it has been installed and the 'Raster' menu is not missing, proceed to page 19.
- If 'Raster' menu needs to be restored, enter '**cuiload**' or '**menuload**' on the program command line and press '**Enter**'.



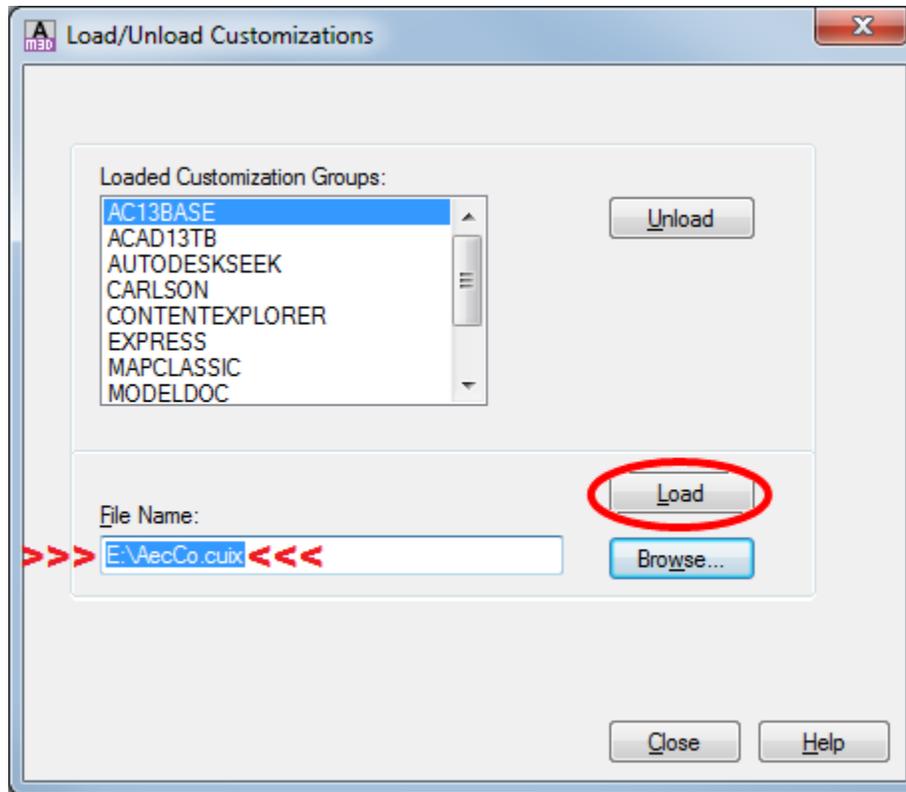
- Use 'Browse' to navigate to the DVD drive root directory (a copy of the 'Raster' menu file 'AecCo.cuix' is located there.).
- Note that the file can also be found in the AutoCAD Raster Design 2014 program 'Support' folder (The default path would be 'C:\Program Files\Autodesk\AutoCAD Raster Design 2014\UserDataCache\Support\AecCo.cuix').



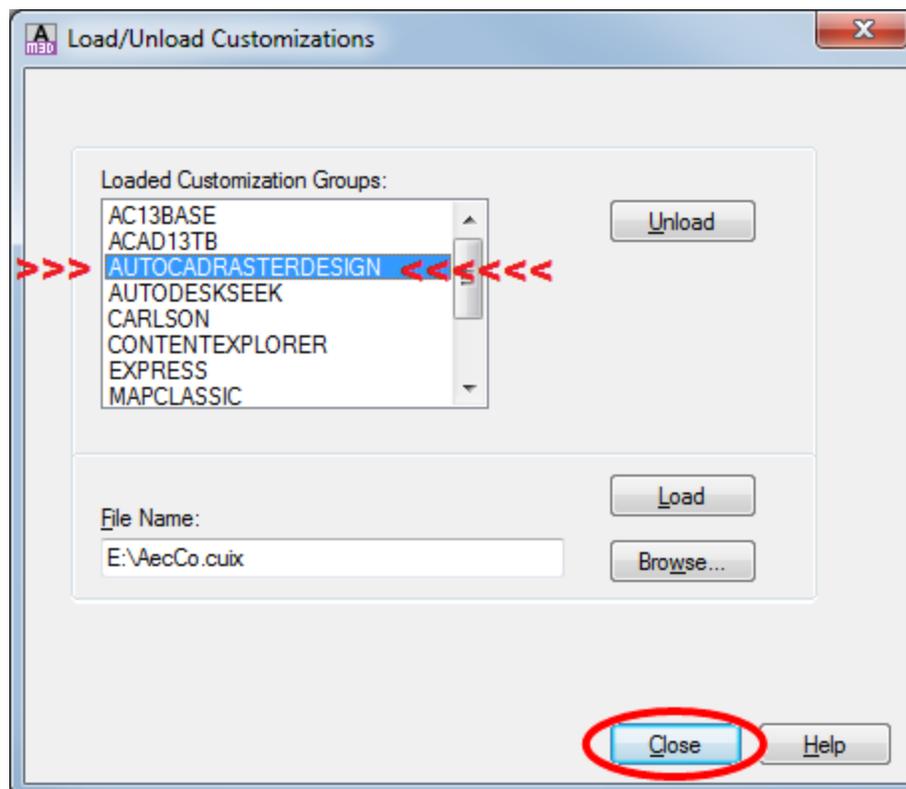
- From the DVD root directory, highlight / select the file 'AecCo.cuix', and click **Open**.



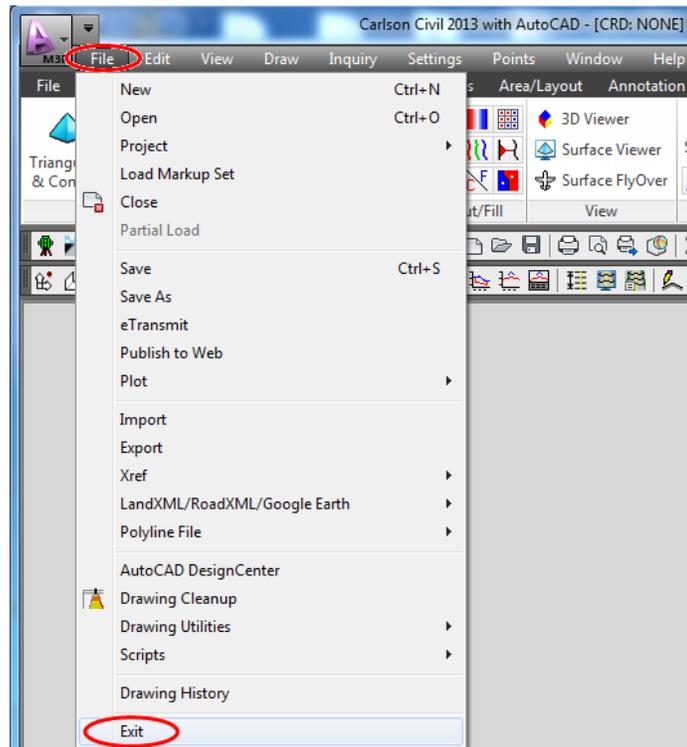
- Note that the path to 'AecCo.cuix' is shown.
- Click **Load** to complete the menu load.



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

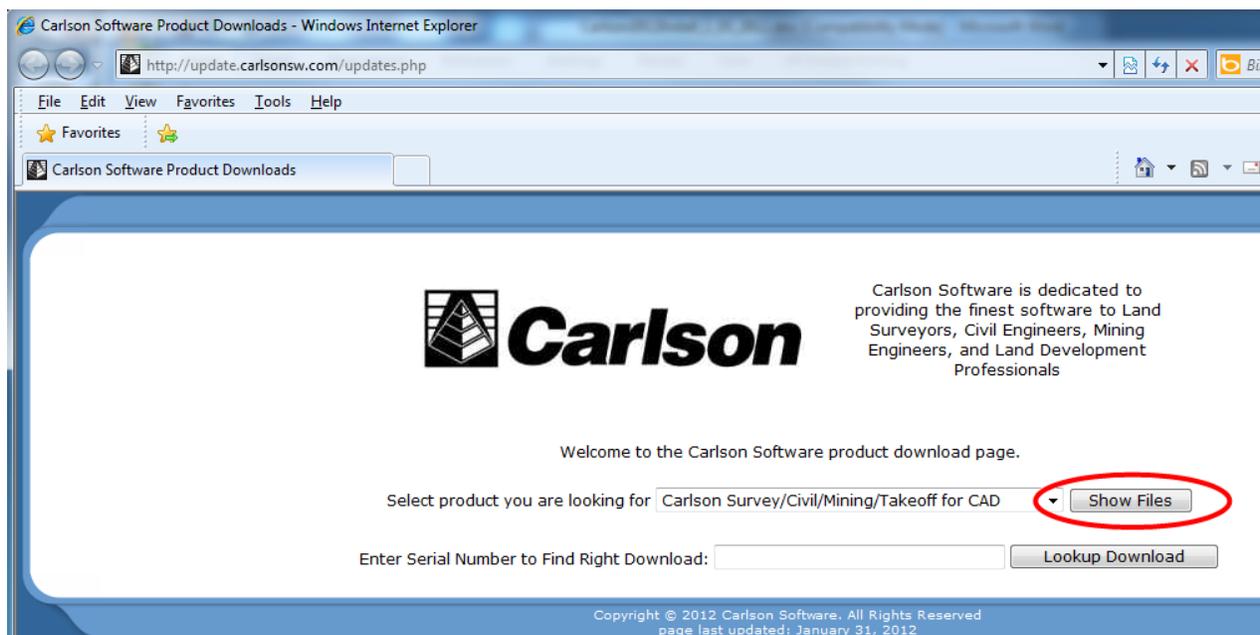


- Go to the 'File' menu dropdown and click **Exit** to close the program (Click **No** when prompted to save the drawing file).
- This completes installation and initial setup of Carlson Software 2014.



## 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>; click **Show Files** to access the list of latest available update file(s).

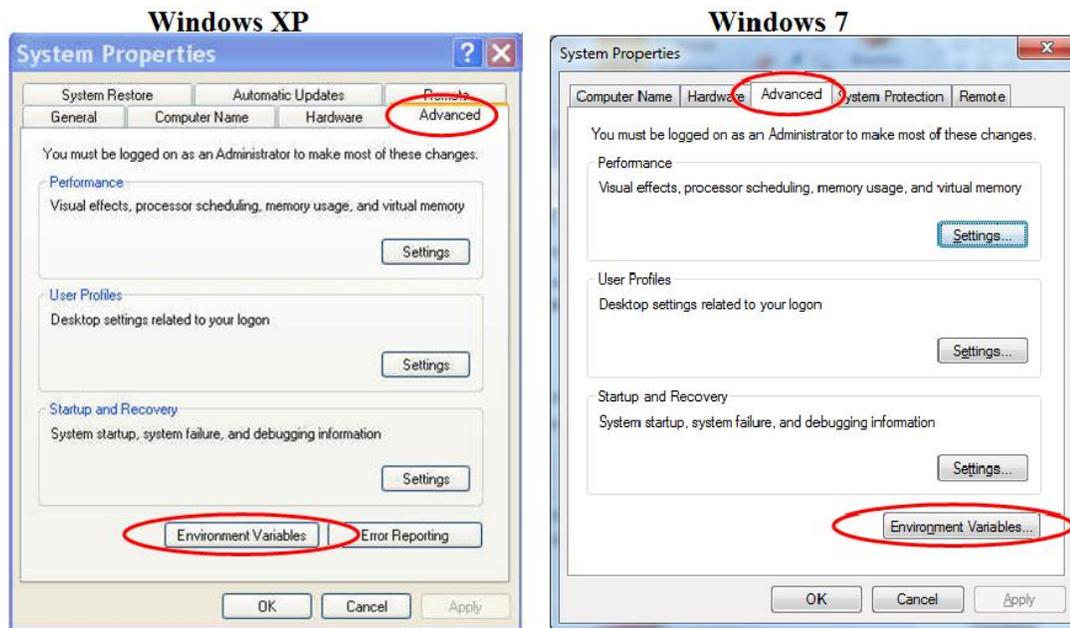


## Accessing Windows Environment Variables

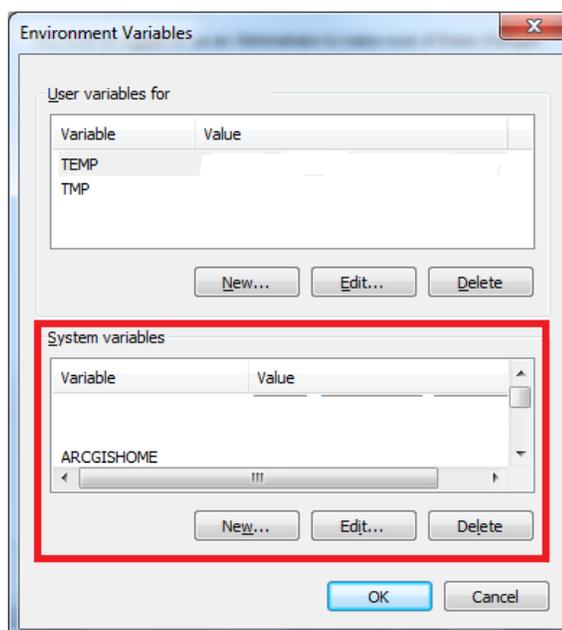
Certain environment variables must be set to allow Autodesk and/or Carlson products to obtain a license from the TIPS license server. Specific information on the necessary variables is listed in the software distribution letter mailed to your TIPS contact.

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 Stefanie Self at (412) 937-2105 or SSELF@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/Software/cad/CAD.shtml>.

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## CAD

**ALERT:**  
TIPS will only support three versions of Autodesk software prior to the 2011 release. If you are using versions previous to 2008, you must upgrade to versions 2008 or newer. Please contact your TIPS Contact or Service Manager to obtain the latest version.

**New Course Offering in 2011**  
TIPS will be offering a new course, "CAD 400: Bridging the CAD and GIS Gap in the SMCRA Workflow." The purpose of this course is to assist personnel in integrating both CAD and GIS processes into SMCRA workflows. Exercises will include use of Title IV and V data to show mechanisms of interoperability between CAD and GIS. Check out the TIPS and NTTIP class survey for this new.

Team Members  
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Training  
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Webpage  
Last Updated: 07/18/2011

Website Last Updated:  
December 20, 2012