Getting Started with the Superpave Calculator worksheet.

The worksheet containing the Superpave macros must be copied onto the computer. The user can place the worksheet in any desired directory or folder. For example, the worksheet can be copied directly to the desktop, a folder on the desktop, etc. Any of the options normally available for storing files with in a Windows operating system can be used. After coping the Superpave calculator worksheet onto a computer, the user has two options for executing the program.

1) Launch the worksheet from the installed location
   a) Open the folder where the worksheet is located. Double click on the name of the worksheet; this will normally be "superpavecalculator.xls". (Users can rename the worksheet, but this is not recommended.) This will launch Excel and depending on the security settings a window may open asking to either disable or enable macros Figure 1. You must enable macros for the Superpave calculator to work. A meaningless worksheet will appear such as Figure 2; do not be concerned with this. If you get a message that macros are disabled, the security settings of the computer must be changed. Some companies do not allow individuals to alter security settings, so you may need to contact your company computer support staff.
   
b) With macros enabled you can launch the program by selecting Tools from the toolbar menu bar at the top of the Excel window. This will open the Tools menu. Select Macro. This will provide another menu list. Select Macro from this list, Figure 3. This will launch a window that gives you an option to run available macros. The list probably includes "Active Calculator" and "superpave". Select "superpave"; you can then either select the Run button or double click on "superpave", Figure 4. This will launch the Superpave Calculator, Figure 5.
   
c) The steps of launching the calculator through the Tools menu must be repeated each time the program is used.

2) Launch the Superpave Calculator from a tool button on the tool bar menu. By taking a few minutes to create a Superpave button on the menu bar, the Superpave calculator can be launched whenever Excel is open. This is more convenient than the above procedure if the calculator is used on a routine basis. To create a menu button:
a) From the installed location, double click on the worksheet (superpavecalculator.xls) to launch Excel. Depending on the computer's security settings you a screen may be launched allowing you to disable or enable macros, Figure 1. You must select enable macros. If a screen is launched that indicates the macros are disabled, the security settings of the computer must be changed. If you are not familiar with changing security settings, contact your company's computer staff.

b) After enabling macros, a meaningless worksheet is displayed, similar to Figure 2; do not be concerned with this.

c) Position the mouse cursor in the toolbar menu at the top of the Excel window. Right click the mouse to launch a list of options. Select Customize, Figure 6 (normally at the bottom of the list). Excel will launch a window with three tabs: Toolbars, Commands, and Options. Select Toolbars. On the right side of the window select the New button, Figure 7. This will launch a window for entering the name of the toolbar button you are creating. Type in Superpave and select OK, Figure 8. The window will close and "Superpave" will be added to the list of available toolbar buttons in the Customize window. A small toolbar window will open on the Excel worksheet, Figure 9. You will convert this to the Superpave menu button.

d) Select the Commands tab in the Customize window. This will change the window to have two lists. Select Macros from the list on the left, Figure 10, then left click and hold the "Custom Menu Item" in the right window; drag this into the toolbar window that was opened in the previous step, Figure 11. This window will now have the words Custom Menu Item in the white portion of the newly created toolbar window.

e) Right click on the word Custom in the toolbar window, Figure 12. A list will appear. Select Name from the list, then replace the text in this field with "&Superpave" (do not type in the ""). After changing the name, select Assign Macro from the list, Figure 12. An Assign Macro window will appear where the name of the macro can be entered, Figure 13. It is best to select the name from the list, there should be two items on the list, "Active Calculator" and "superpave", select superpave, then click OK.

f) Close the Customize window, Figure 14.
g) Left click and hold on the new toolbar window and drag it to the top of the Excel window, Figure 15. Release the mouse button when the new toolbar button is in the desired position on the toolbar.

h) If you have successfully completed this process, you can launch the Superpave calculator whenever Excel is open. Double clicking on the Superpave toolbar button will launch the Superpave calculator macros, Figure 5.
Figure 1 Disable or Enable screen
Figure 2 Screen after macros are enabled
1. Select Tools
2. Select Macros

Figure 3 Launching the Superpave calculator using the Tool bar method
Figure 4 Run the Superpave calculator from the tool bar.
Figure 5  Opening screen for the Superpave calculator
Figure 6 Customize a button to launch Superpave

Right click with mouse cursor in this area.

Select customize
Figure 7 Customize screen

Select toolbars tab

Select New
Figure 8 Enter Superpave as name of toolbar button
Figure 9  Superpave button added to Excel window
Figure 10 Naming the command

Select commands tab
Select Macros
Right click and hold; drag Custom Menu Item into toolbar menu window

Figure 11 Move Custom Menu Item into toolbar button window
Figure 12 Putting name into toolbar button

Left click in this window
Produces list

Select Name, Enter &Superpave into the name box

Select Assign Macro
Figure 13 Assigning macro to the toolbar button

Select superpave

Select OK
Figure 14 Close customize window

Select Close
Figure 15 Move toolbar button to toolbar area.
Figure 16  Superpave toolbar button, Process complete