2. Project Manager

This exercise introduces GEOPAK Road's Project Manager. This tool organizes project work with users and their associated runs. Runs are a way of saving how a particular function was used or setup previously which can save the user valuable time.

Project Manager also provides a workflow dialog making it easy for the user to find tools/functions which are used most often.

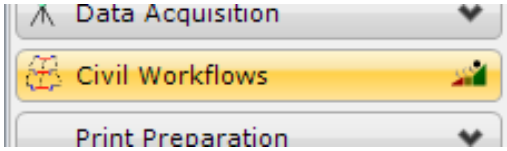
I.) Introduction & Set Up

1) Open the MicroStation file

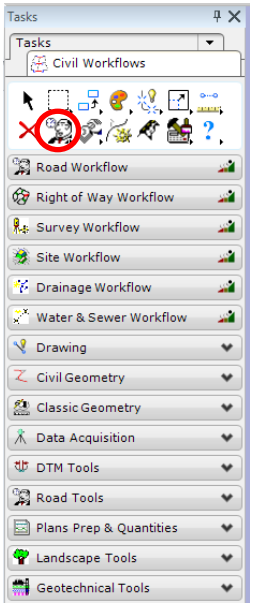
C:\Projects\Roane\SR95PoplarCr\ROSR95Alignments.dgn

2) Activate Geopak by clicking on the dropdown Applications → GEOPAK → Activate GEOPAK

3) Click the Civil Workflows option from the Task menu. This will make the basic Road Tools readily accessible in the Main Task options at the top.

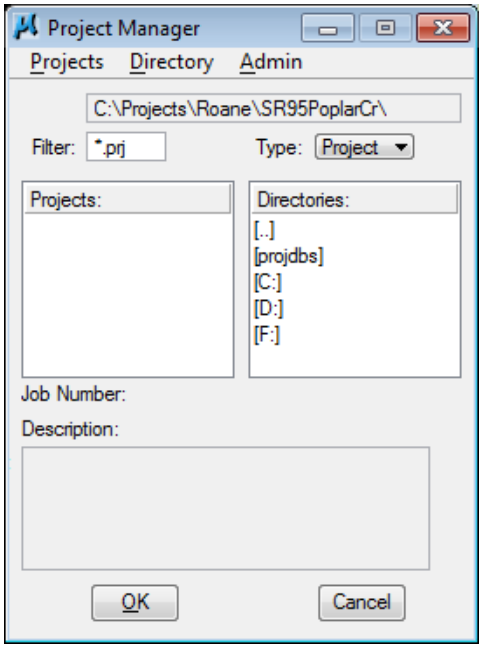


Civil Workflows makes most tools from Geopak Suite available in the Task menu.

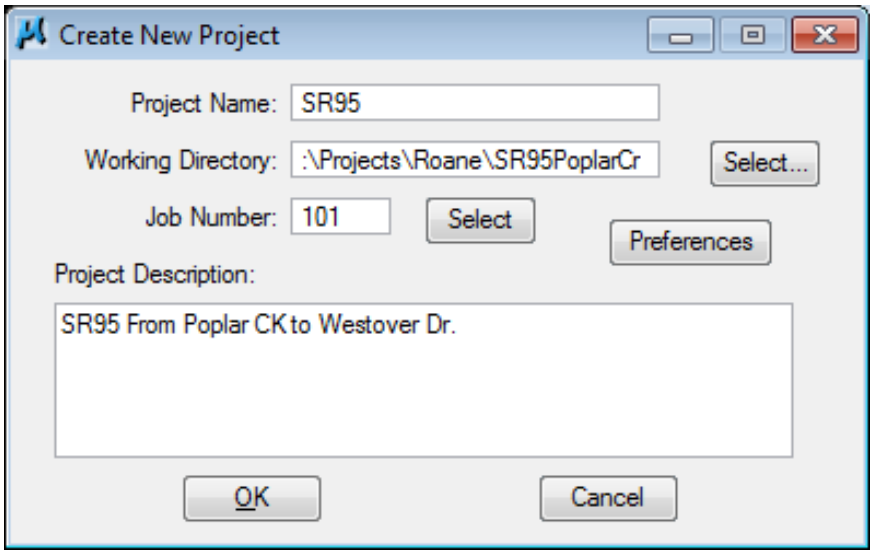


4) Access Project Manager using the Project Manager icon from the main tasks.

5) From the right side of the Project Manager dialog, in the Directories list box, ensure that the project directory is set to C:\Projects\Roane\SR95PoplarCr

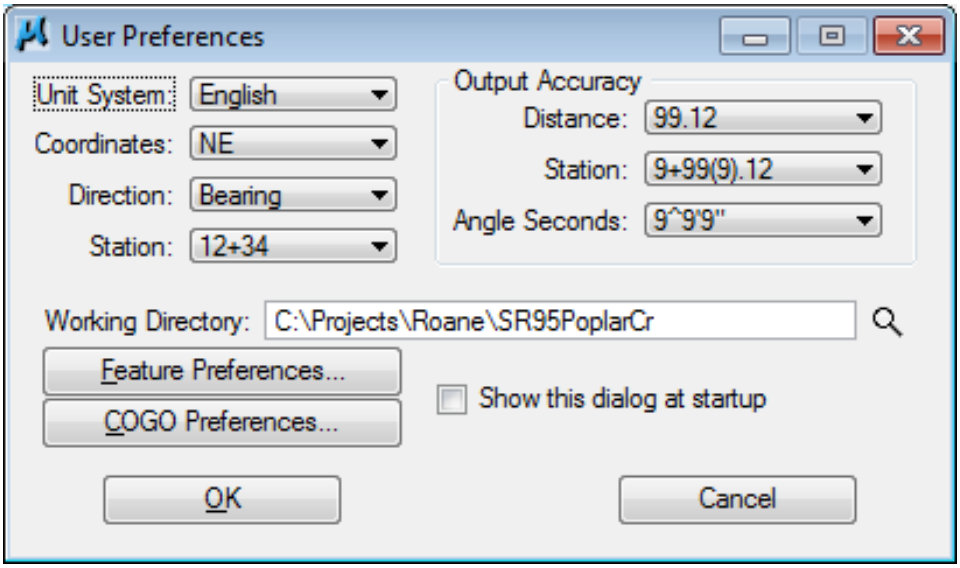


6) Select the drop down Projects → New and set up the new project as specified. Fill out the Create New Project dialog as shown below. Use the Select buttons to set the Working Directory and Job Number:



NOTE:
Survey personnel initially sets up the GPK file (indicated by the Job Number), stores existing features for projects and then gives it to Design with the completed survey. Design personnel, in turn, adds proposed features and passes it on to R.O.W. & Construction personnel for their use in completing the project.

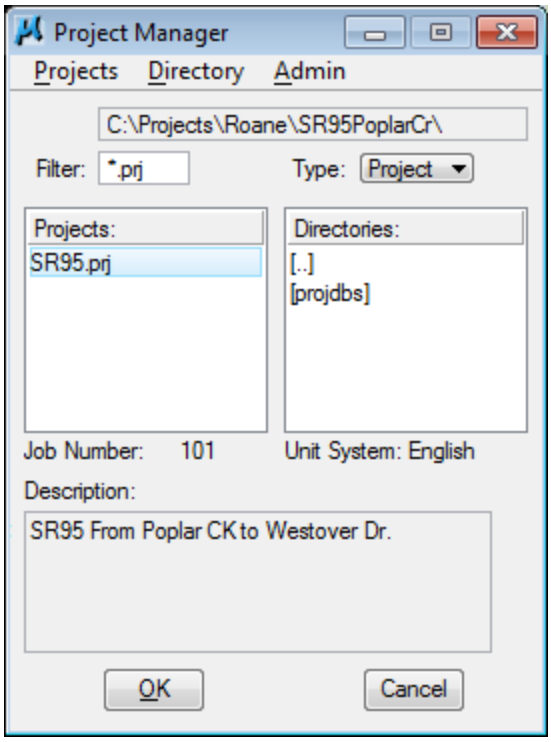
7) Click Preferences on the Create New Project dialog. Since we set up our standard user preferences in the previous exercise, the settings should appear as shown. These are the project preferences which will be loaded whenever the project is opened.



Press OK.

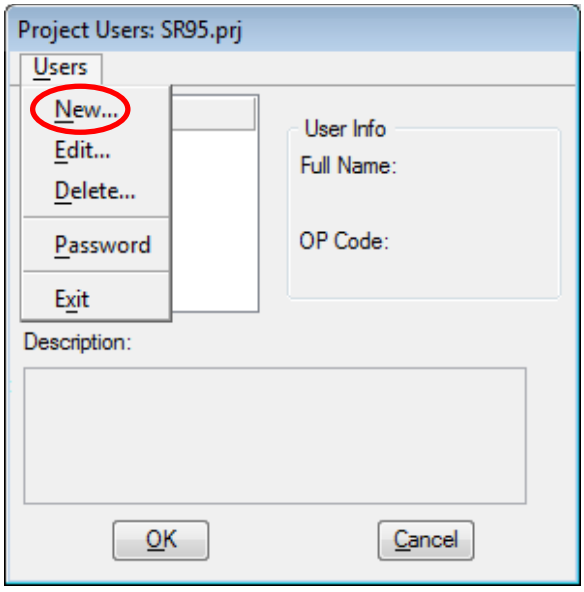
8) Exit the Preferences dialog. This will return you to the Create New Project dialog, press the OK button.

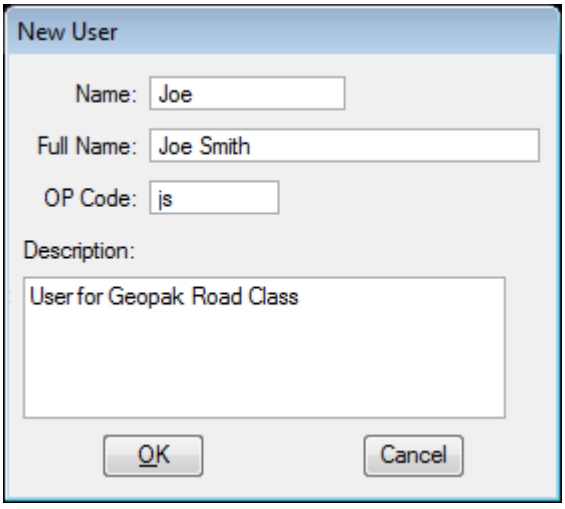
9) The main Project Manager dialog is now displayed, and the project has been created and ready to be accessed. To access the project, select the project by single clicking on the name of the project in the dialog. The project is highlighted as shown in the dialog with all pertinent information displayed.



Press OK to open the project and invoke the Project Users dialog.

10) Create a new user by selecting **Users** → New from the Project Users menu bar. Complete the New User dialog with your name and operator code (your initials) as shown.

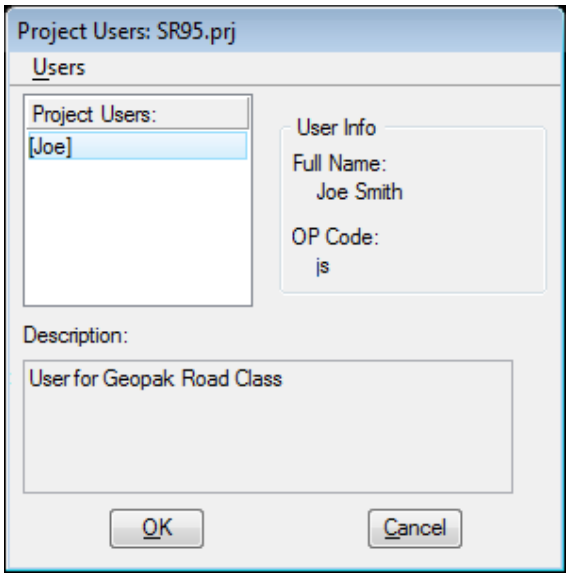




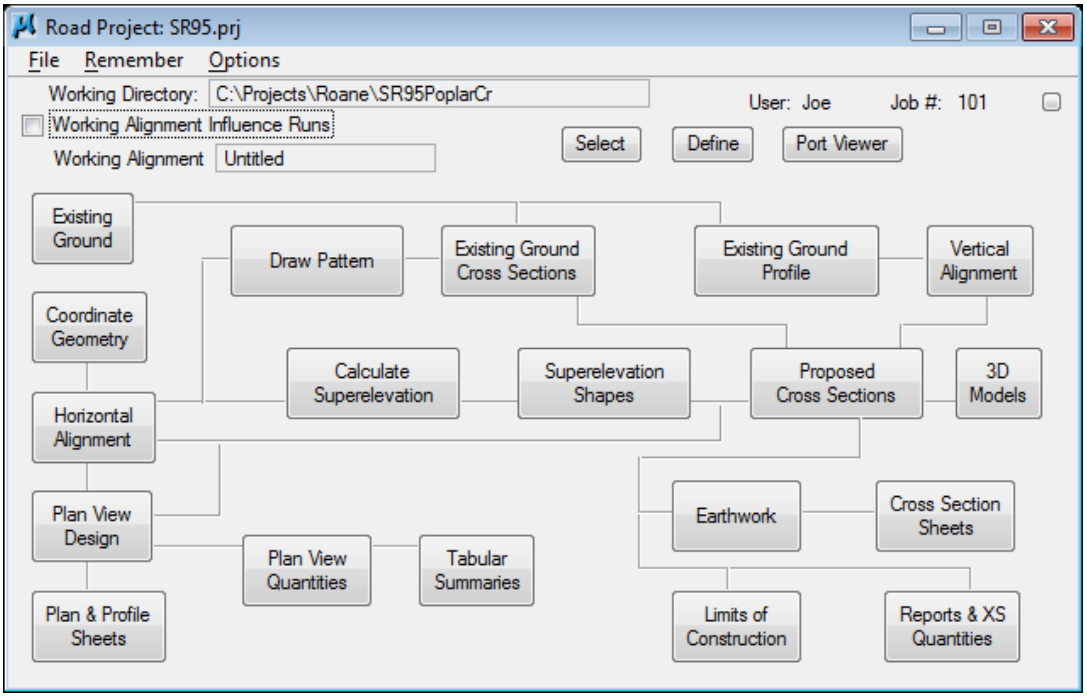
11) After populating the dialog press OK. When prompted to define a password for this user, press No.

NOTE:
The operator code is used by COGO with input and output files. Those characters control what input files are included for opening or processing and are used when assigning names for input or output files.

12) Now, we are back at the Project Users dialog. Double click the user name or select it and click OK to move on.



13) You will now see the main Project Manager workflow dialog. From here, we can access many of the GEOPAK functions which we will use.



14) Within the project manager dialog, Click on the Remember drop down and toggle on Project and User to set up Project Manager to remember our project and user.

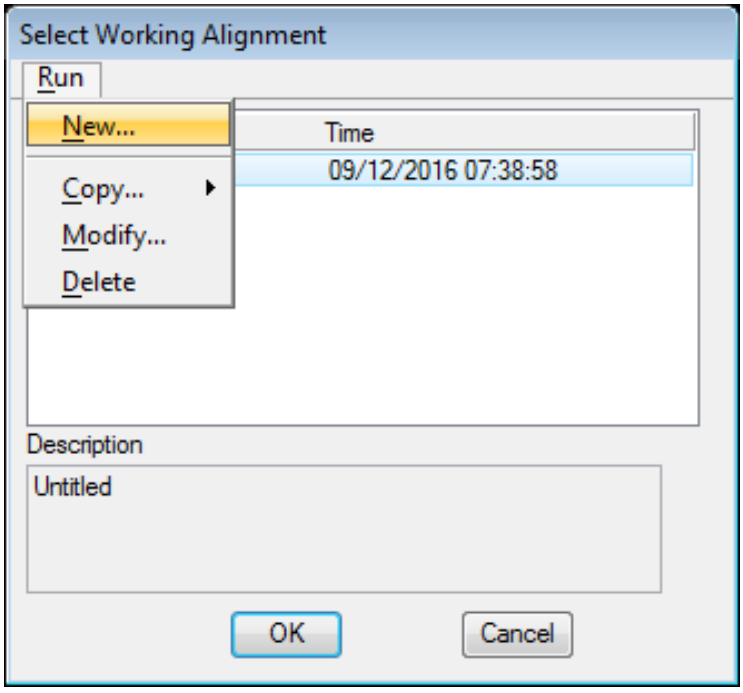
NOTE:
In normal workflows you must be careful with the “Remember” options. If you have more than one project active at one time, you will have to Un-Check both Project and User before moving to another project.

This must be done to ensure that files are placed or looked for in the proper folders to avoid mixing project data. Of course another alternative is to not use the Remember options if you have more than one project. That way you can move to the project you need to be in each time you invoke Project Manager.

II.) Working Alignment – Create

Before leaving this exercise, let’s go ahead and begin to set the stage for further design via the Project Manager by defining the Working Alignment. To do this, we’ll need to use the Select and Define buttons on the Project Manager workflow dialog.

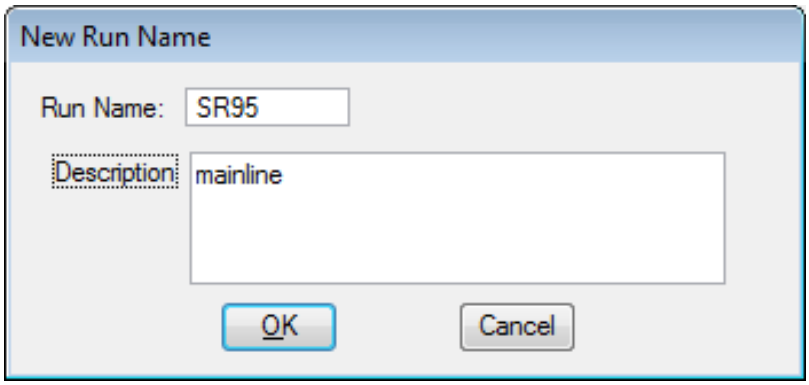
1) Press the Select button to create a new Working Alignment. The Working Alignment is the active roadway that we are about to design. In the Select Working Alignment dialog create a new run by clicking the drop down option Run → New.



NOTE:
GEOPAK organizes many functions with “Runs”. Each time you use many of GEOPAK’s tools or functions you will be asked to create a run. Runs store the entries/settings made in a tool so that you can return later to re-run a particular function or even copy it in order to set it up to run a little differently.

Working Alignment set ups or runs are actually used by other runs. The working alignment will automatically fill in other runs with pertinent data associated with a given roadway thus saving much time and effort for the user.

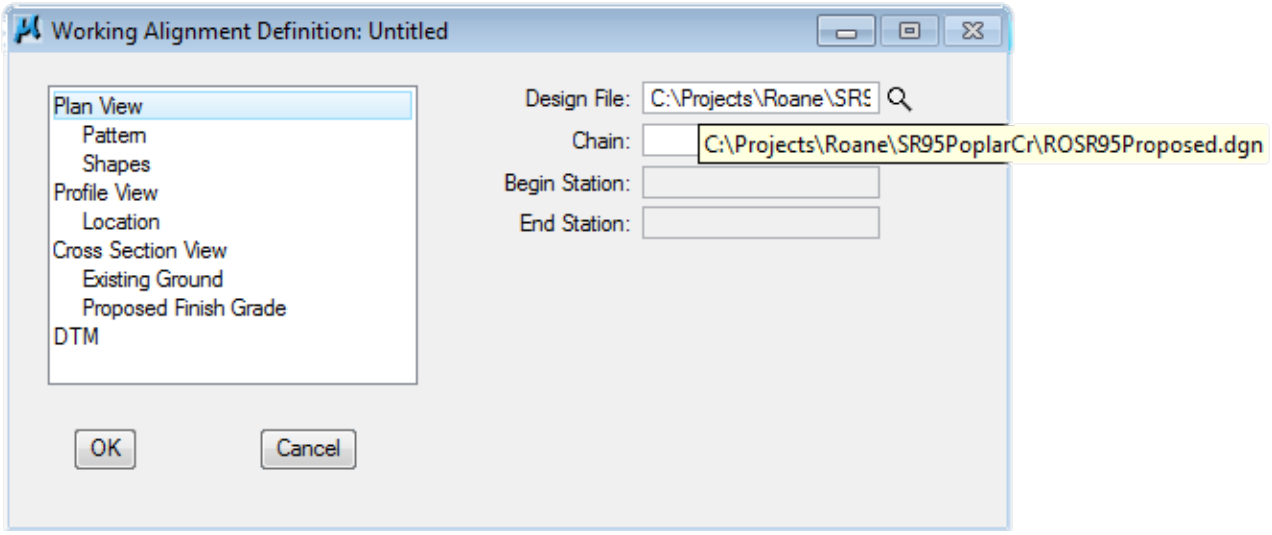
2) Create a new Working Alignment run called “SR95” and a Description for the Run ‘mainline’ as shown below and press OK.



3) After creating the run, select the run by highlighting it in the dialog and pressing OK.

4) You will now return to the main Workflow dialog. Press the Define button to access the Working Alignment Definition dialog.

5) Select the Plan View item in the list box and define the Design File as C:\Projects\Roane\ROSR95Proposed.dgn. Click the Browse button  to set this file.



6) Press OK to exit and save settings in the Working Alignment Definition dialog.

7) Back on the main Project Manager dialog, toggle on the Working Alignment Influence Runs option located at the top left of the dialog. With this clicked on, data defined in the working alignment will automatically fill in runs when they are created or opened.

8) Exit Project Manager, select **File** → **Exit**.