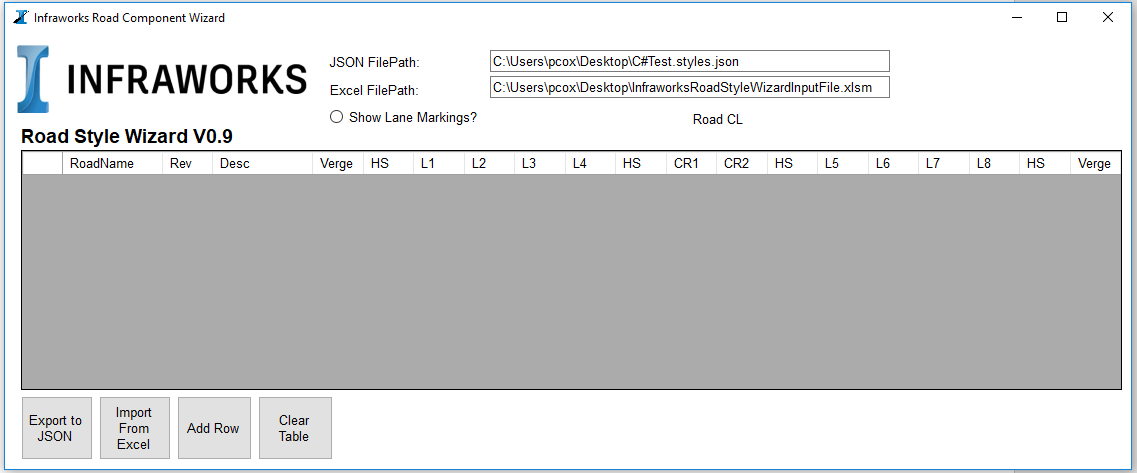
# **Infraworks Road Style Wizard V0.9**

# **Manual**



## **1 Introduction**

This application enables users to quickly create road components via Excel to import into Autodesk Infraworks 2019 (the application has not been tested on 2020+).



For projects which typically require the manual definition of roads via the infraworks GUI this should hopefully cut out a lot of the associated tedium, and allow creation of multiple road cross-sections much quicker.

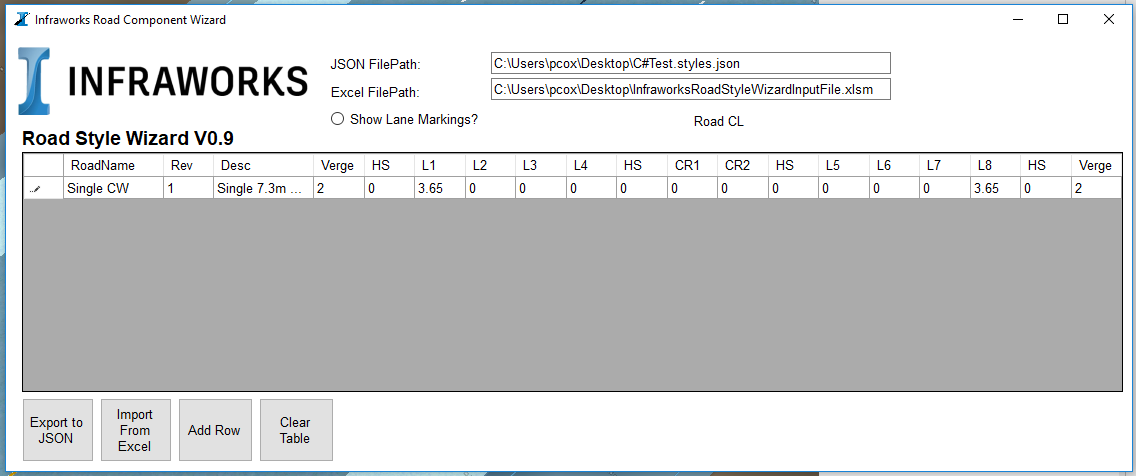
## **2 Procedure**

Roads can be defined using either the tabular format baked into the application or optionally via an Excel Worksheet which can be used to fill in the table more effectively.

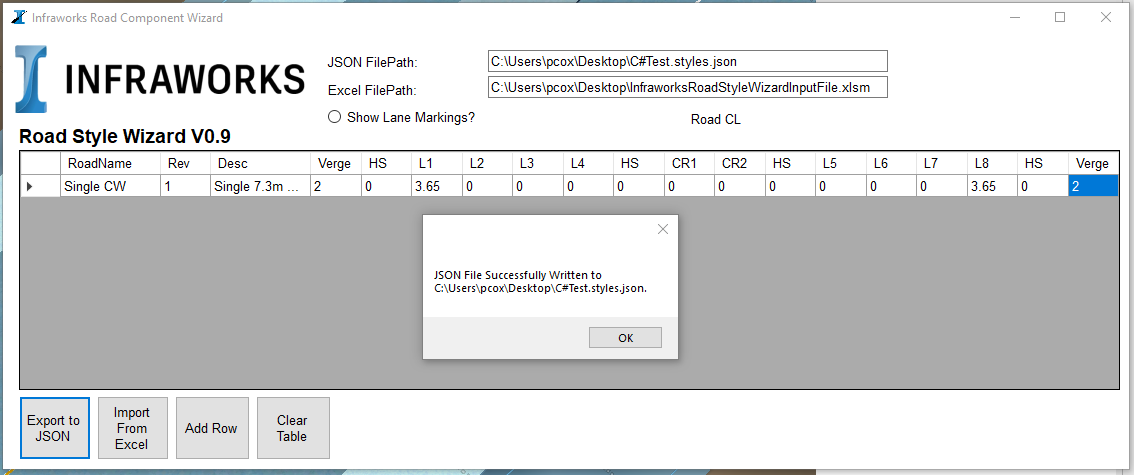
**2.1 Application Method**

Let us create a simple 7.3m carriageway with 2m verges each side.

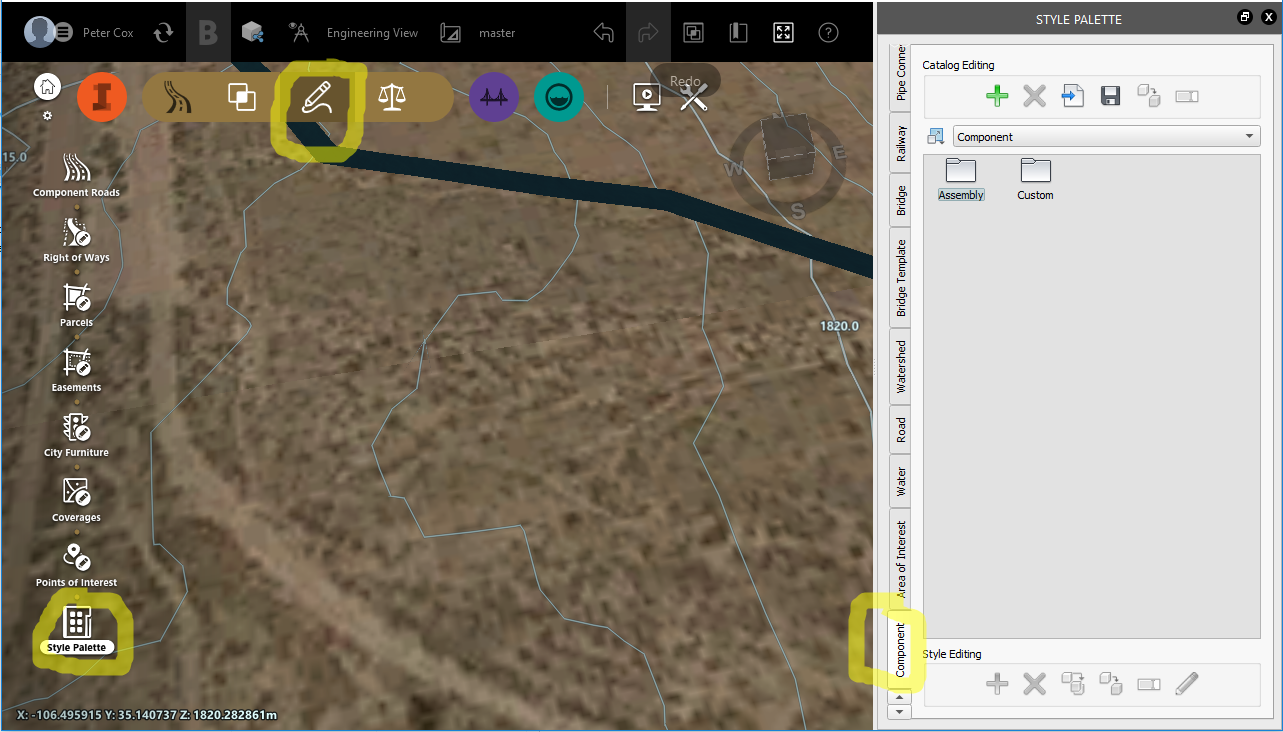
1. Click the “Add Row” button to add a new row to the table.
2. Enter “Single CW” in the RoadName column.
3. Enter in 1 into the Revision column – note that infraworks only allows numbers when entering in the revision.
4. Enter in “Single 7.3m carriageway with 2m verges” in the desc. Column.
5. Enter values into the rest of the columns as in the below screenshot. Take care to note the position of the lanes – it is assumed in this example that the alignment is positioned centrally about the carriageway cross-section.



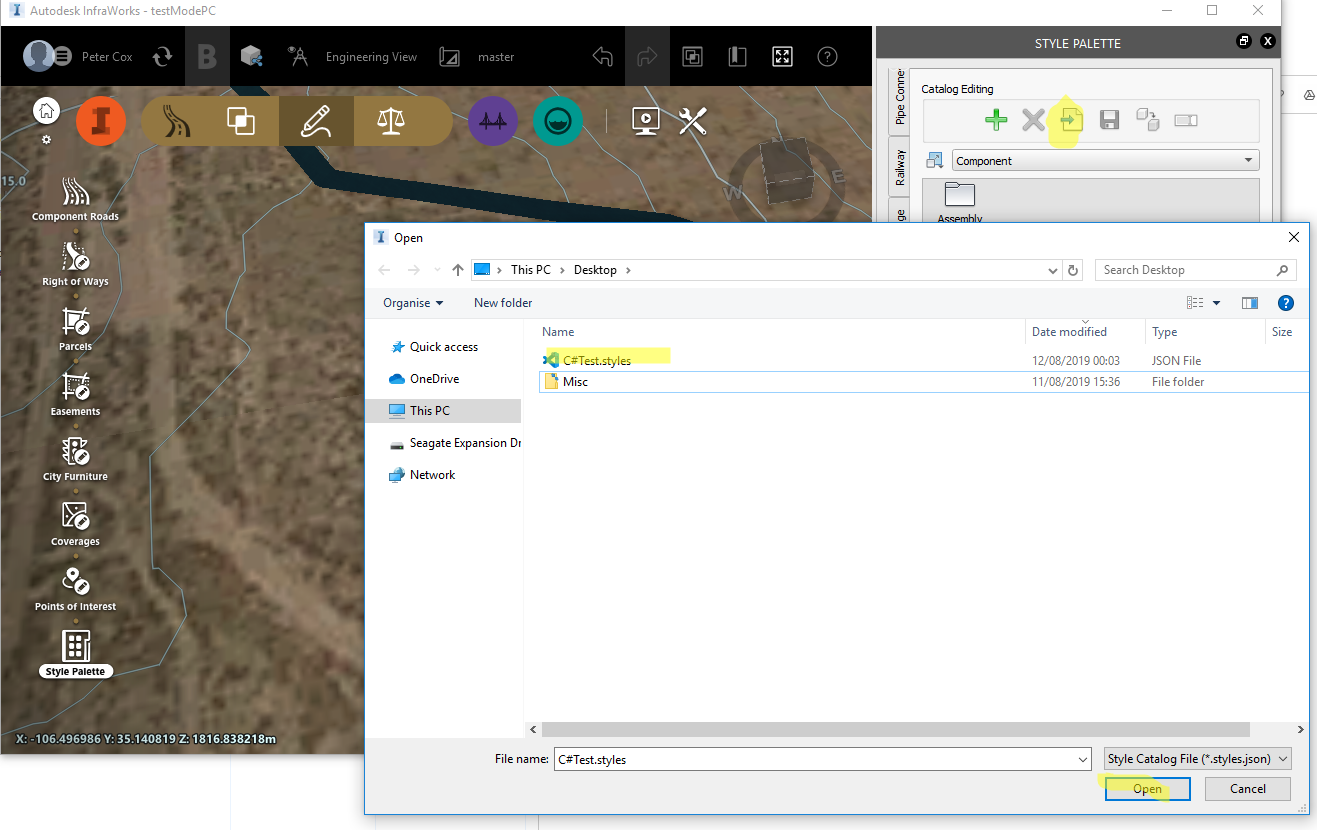
1. Enter the location where you would like the styles.json file to be stored making sure that you are happy with the format.
2. Click the “Export to JSON” button.



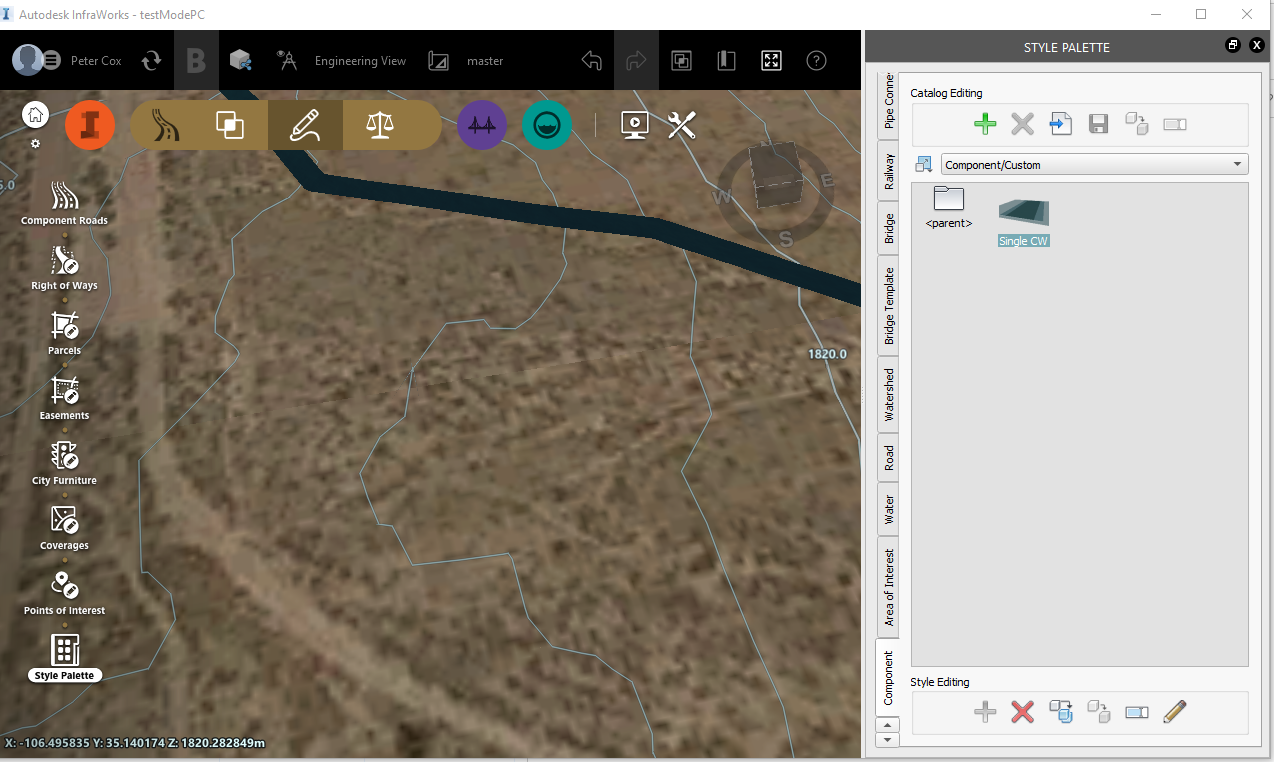
1. In Infraworks, click the Roads icon/Style Pallette and scroll down to the Component Catalogue

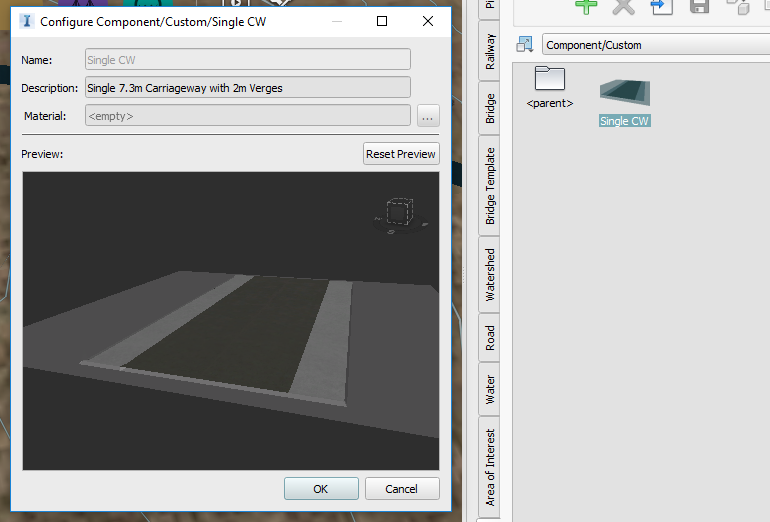


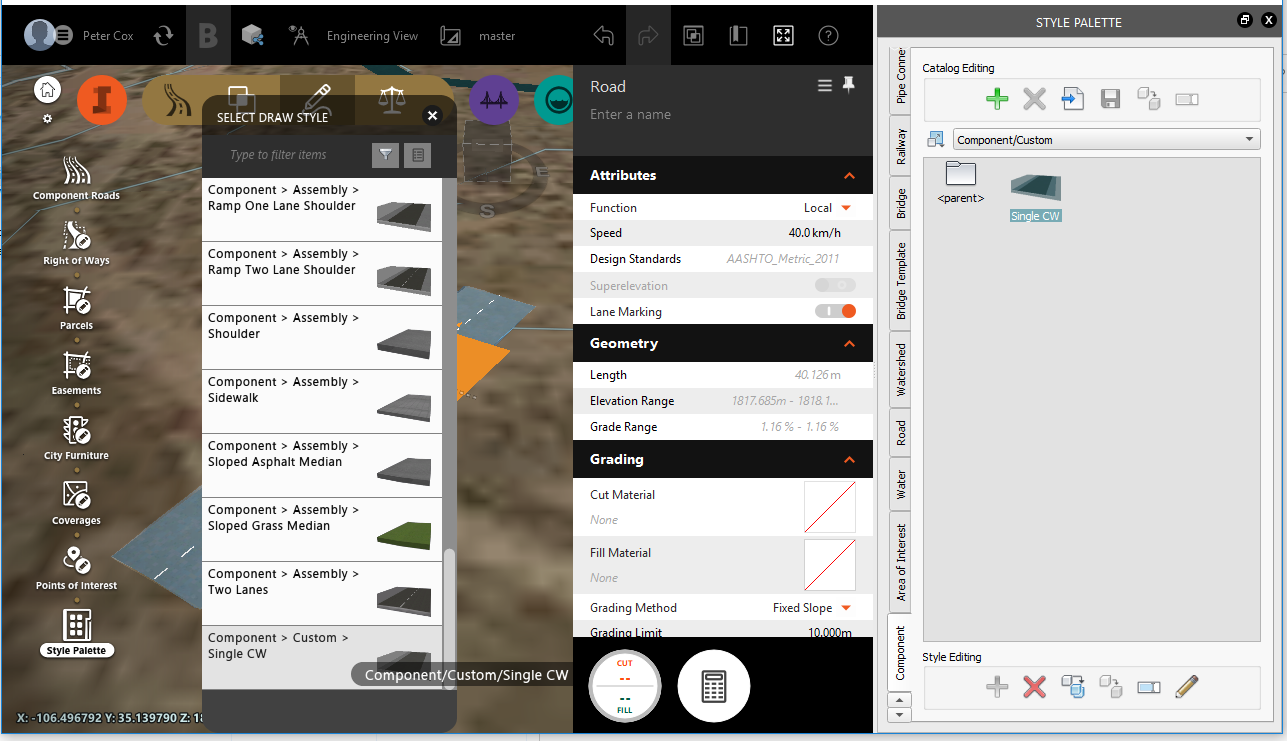
1. Click the “Import and existing style catalogue” button and navigate to the location of the file explorer.

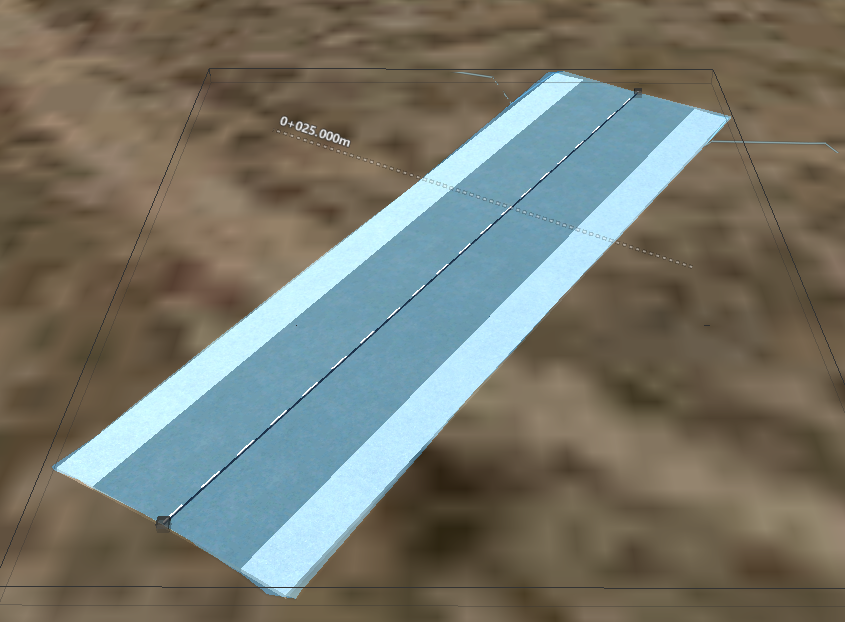


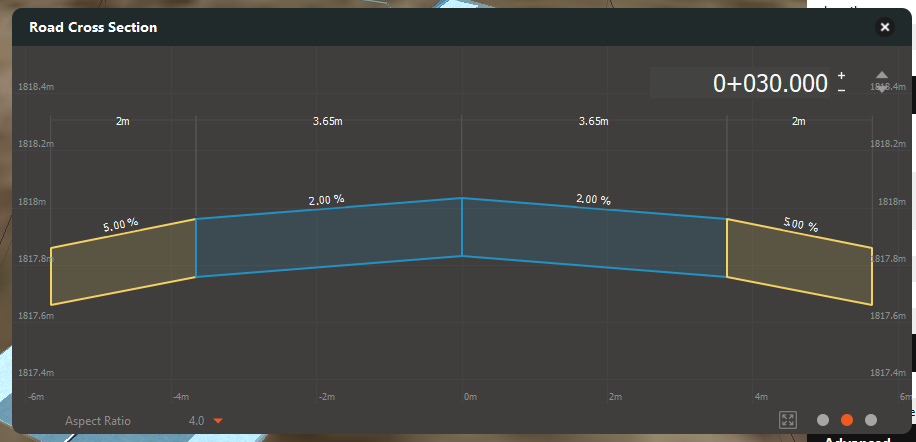
1. The cross-section we created should now be in the newly created “Custom” folder ready to be applied to any road. Double click to examine it.





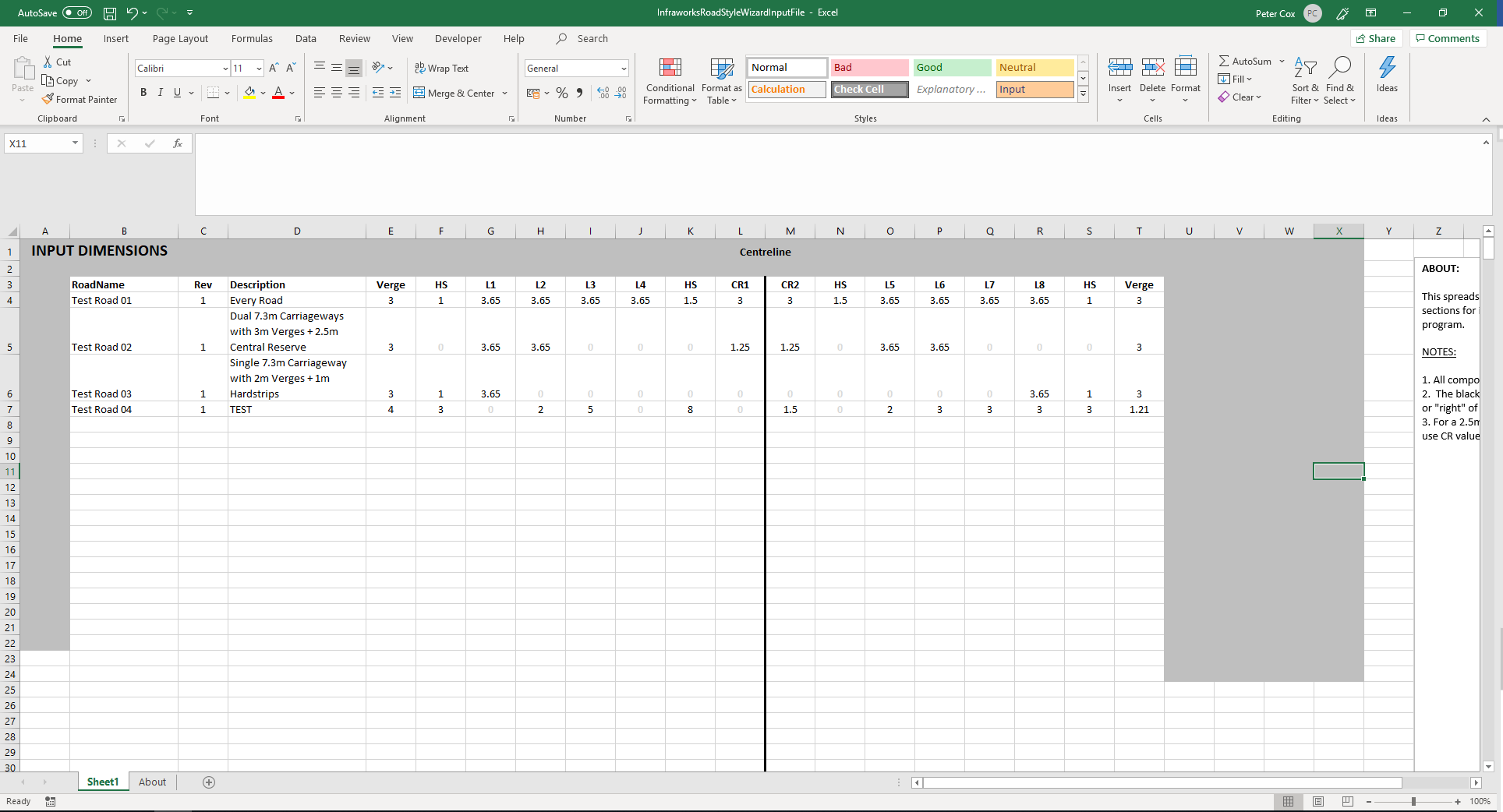






**2.2 Excel Method**

1. Open up the excel spreadsheet and enter in some cross-sections as below.



2.