**Read me file:**

**University of Southampton – Infrastructure research group – Louis Le Pen – llp@soton.ac.uk**

**The excel files contain data reported in the paper: “Modelling the effects of trafficking and tamping on scaled railway ballast in triaxial tests” as follows:**

Figure 3: (a) Grain size distribution curves for full size and scaled ballasts

Figure 10: Specimen height against number of cycles (a) T1 (b) T2

Figure 11: Specimen height against number of cycles (a) T3 (b) T4

Figure 12: Specimen height against cycles (a) T5 (b) T6

Figure 13: Resilient modulus for (a) T1 T2 and T3 with no extension stage (b) T4 pre and post extension

Figure 14: Resilient modulus pre and post extension for (a) T5 (b) T6

Figure 15: Extension stage (a) q/p' against axial strain (b) Mobilized friction angle against axial strain

**Other figures in the paper are photos or diagrams.**

**Date of data collection:** from 1 January 2011 - 2014

**Date that the file was created:** Spring 2018