

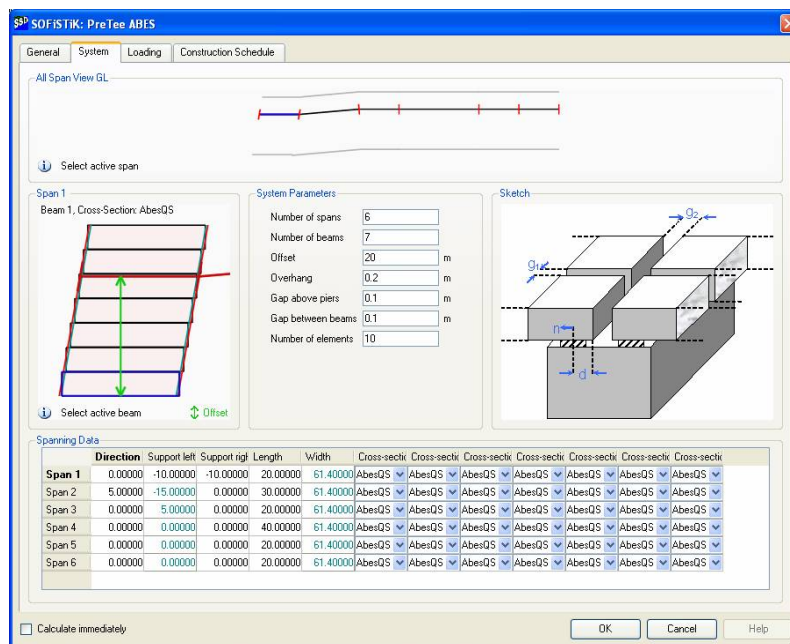
Completion v1.0 08/2006

Language C++, QT, plugin for the SOFiSTiK  
SSD

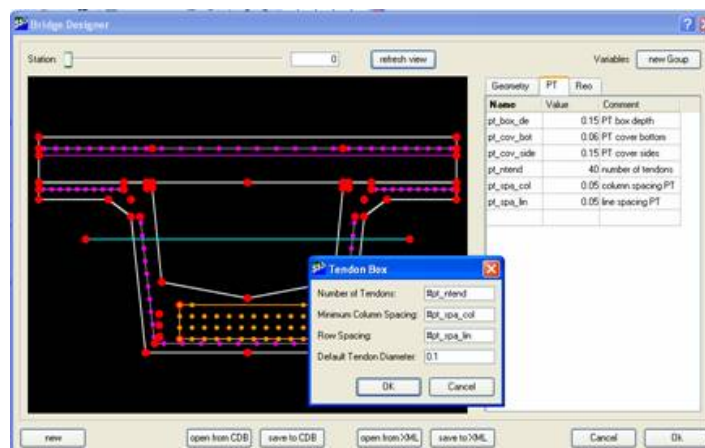
Description

preTee provides all the functionality to analyse and design multi-span bridges made from pre-cast beams with an onsite concrete top slab. Typical applications in Australia and New Zealand would be Super-Tee bridges or similar systems. preTee is designed as a pre-processor for the SOFiSTiK solver and is a fully integrated task for the SSD (SOFiSTiK Structural Desktop). All input is performed graphically or via interactive menus, all input requests are formulated in engineering terms. Standard cross-sections, material definition and many more items are available for reference by the design engineer using preTee.

preTee drives the proven SOFiSTiK software which makes it possible to include numerous advanced features including the consideration of construction stages, time-dependent effects, detailed pre-stressing simulation and many more. preTee also uses the results of the detailed structural analysis to perform automated design checks for SLS and ULS according to many international design codes including AS5100.



System input



Standard Super-Tee cross-section.