3S SIMPLY SUPPORTED STRESS

Our objective is to design a simple and beautiful footbridge based on a steel and wooden alignment to suit a selected context and the requirements of the site. The bridge consists of a series of arches and a series of steel columns. The combination of these two structural elements allows us to achieve a simple supported bridge in a single span with post-tensioned steel arches. The combination of these two structural elements allows us to achieve a simple supported bridge in a single span with post-tensioned steel arches. This is because the tension forces in the steel arches are transferred to the supports by the frictional forces at the abutments. The columns are connected to the arches at regular intervals and are supported by a series of steel beams. The deck of the bridge is made of a series of steel beams and is supported by the columns. The bridge is accessible to foot traffic only.