As part of the M3 Motorway PPP scheme an underbridge was required to carry the new highway over the River Boyne. The three span steel-composite bridge had an overall length of 115m with a central span of 51.5m.

We undertook an independent category 3 check of the bridge and in doing so developed a detailed stage-by-stage analysis in order to assess the time dependant effects on stresses in the structure.