

Bridge Joint Replacement St George's Bridge, Doncaster

Client

Doncaster Metropolitan Borough Council

Value

£445,000

Works Commenced

June 2015

Works Completed

September 2015



The A19 St George's Bridge was built in 2001 and is the northern gateway in and out of Doncaster, catering for 44,000 vehicle movements per day.

Assessment by Doncaster Council indicated that carriageway refurbishment and essential safety repairs were required to replace deteriorating bridge joints.

Freyssinet was appointed to design, supply and install new expansion joints on the bridge. Following assessment to establish the best expansion joint to suit the requirements of the structure and the client, a WP joint was selected and designed to the specification.

After removing the existing joints, Freyssinet's in-house hydrodemolition team Aquaforce removed the surrounding concrete, before the WP350 expansion joints were installed to both ends of the structure. The joints have an extensive lifespan, meaning future maintenance on the bridge and subsequent disruption will be minimised.

The works undertaken by Freyssinet also included formwork, planing, waterproofing, installation of rubber drainage and resurfacing 5m around either side of each joint.

The works were completed ahead of schedule and to the satisfaction of the client.

Doncaster councillor Joe Blackham, cabinet member for transportation, said: "We have been pleased with the work Freyssinet carried out in what was a complex and major project. The work progressed smoothly and was completed in time for Doncaster's St Leger Festival Week – the biggest event in the borough's calendar."

"These improvements have made our road network more resilient. The high quality bridge joints will have an extensive lifespan which should avoid the need for repairs for the foreseeable future."