## **Colker**Laser

A34 Botley Interchange

VolkerLaser was contracted by MJ Church to deliver essential improvement works on the A34 Botley Interchange in Botley, Oxford.

As part of the National Highways scheme to enhance the safety and reliability of the interchange, VolkerLaser was required to undertake a series of essential repairs. This included the installation of our Fast Beam access system, parapet replacement, hydro-demolition and an Early Contractor Involvement (ECI) investigation.

The A34 at Botley is a key interchange, linking Oxford via the A34 and Swindon via the A420. To minimise traffic disruption, the team implemented night closures over a seven-day period while installing the Fast Beam access system.

Following installation, traffic flow resumed with the roundabout operating under single-lane restrictions. A key challenge was adapting the Fast Beam to suit the roundabout installation. This modification maintained traffic flow while providing a safe working platform.

Once installed, the team cut a chase and used hydrodemolition to remove damaged concrete from the inner and outer cradles, replacing them with new reinforced cradles. ECI works were also carried out during closures, including excavating sample pits to assess the deck reinforcement condition.

Through collaboration and innovative planning, VolkerLaser combined two National Highways schemes into one, minimising disruption. The project finished four weeks early and on budget. "VolkerLaser performed excellently on the A34 Botley Interchange scheme and worked collaboratively with ourselves and National Highways to deliver a logistically challenging scheme ahead of programme. Their expertise to support our ECI was invaluable to come up with the Fast Beam system solution to deliver the parapet upgrade. The system proved to be significantly beneficial, bridging over utilities that could not be disturbed and enabled the interchange to be re-opened at the close of shift improving journey time for road users. It was a pleasure to work with a proactive and problemsolving team".

Stuart Clarke South East & Central Regional Manager for MJ Church

