

A49 Goose Green to Westwood Park Link Road

CLIENT: BWB Consulting for Jones Bros.

LOCATION: Wigan, UK

YEAR OF COMPLETION: 2020

The dual carriageway provides a new high-capacity route into Wigan town centre from the south of the borough. The proposed A49 Goose Green to Westwood Park Link Road project includes four major structures to bridge existing watercourses, canals and a primary road. The scheme also incorporates improvements to pedestrian, cycle and public transport access on the existing A49 and B5238.

We designed the principal structures on the scheme consisting of four overbridges and two retaining walls. Extensive use was made of BIM to facilitate close collaboration with the lead consultant and other specialist suppliers.

Two of the bridges take the new highway across the Leeds and Liverpool canal (see image).

A key challenge on this project was the soft ground encountered to a depth of 7m and overcome through the use of ground improvement in the form of vibro and controlled modulus columns.

The new road was opened to traffic in June 2020

KEY FACTS:

- Detailed design of four bridge
- BIM delivery
- Value engineering

