



Project Title:	Wigsthorpe Bride Infill
Client:	Highways England
Date of Work:	May 2016

Project description

Structure BPH/44 is located approximately 0.5km south west of the village Wigsthorpe at approximate National Grid Reference TL 041 821. The structure is a three span skewed arch overbridge carrying the B662 over the former Blisworth to Peterborough railway line. The works involved the relining of the central span with a corrugated steel arch and reinforced concrete foundation. The gap between the bridge arch soffit and the steel arch was backfilled with foamed concrete and at the ends structural fill material was used to form the supporting embankments. A concrete collar beam was constructed to support the steel arch. The outer spans were also structurally infilled with foamed concrete.

Project Constraints

- Ecology.
- Planning.
- Public Interface.
- Traffic Management.
- Poor condition of structure.
- 3rd party negotiations (landowners).
- Weight restrictions over the bridge and delivery logistics.