



|                       |                     |
|-----------------------|---------------------|
| <b>Project Title:</b> | Kingham East Bridge |
| <b>Client:</b>        | Highways England    |
| <b>Date of Work:</b>  | Apr 2013            |

Project description

Structure BKC/54 carries an unclassified road over the track bed of the former Banbury and Cheltenham railway near Kingham about 5 miles Southwest of Chipping Norton in Oxfordshire. The bridge is a single span, elliptical brick arch on gravity type abutments constructed with dressed regularly coursed stone in the central section and common red brick in the outer sections. The spandrel walls and parapets are constructed in common red brick, with wingwalls of dressed, evenly coursed stone. The measured square span is 7.80m (25' - 6"). The arch barrel is five courses deep and measures 447mm at the crown.

Phase 1 – Completed (11/03/2013 to 25/04/2013)

Infilling of superstructure with 6C stone, 6N fill and foamed concrete, and creation of top-soiled 6N embankments.

Phase 2 –Completed (March 2014)

Grout up any settlement voids and rod drainage system.

Project Constraints

- Ecology.
- Planning.
- Public Interface.
- Traffic Management.
- Poor condition of structure.
- 3<sup>rd</sup> party negotiations (landowners).
- Weight Restriction and material delivery logistics.