

Malthouse Bridge - abutment repair



Malthouse Bridge is a single span Grade II listed arch bridge carrying The Street (C46) at Crookham Village over the Basingstoke Canal. It was built in the late 18th century and is situated in a conservation area and Site of Specific Scientific Interest (SSSI).

The bridge is constructed from lime mortar and red clay bricks in English bond. A routine inspection indicated spalling/partial collapse of the face of the north abutment. Stability of the bridge was immediately monitored and consultation began with the Canal Authority and Conservation Officers.

Closure of the canal during the navigational season was not permitted, so part of the work had to be carried out in cold weather. A lime mortar method of working was developed with the Lime Centre in Winchester. Over ten weeks repairs were made in small sections, using gradual dewatering of the canal and temporary struts, while monitoring the bridge for any sign of movement.

Key benefits

- Prolonged life of this historically important structure
- Use of the road over the bridge, and the canal during navigable season, was able to continue during works

Location:

Crookham Village,
Hampshire

Client:

Hampshire County Council

Value: £140,000

Completed: January 2014

Specialist teams:

Hampshire Services'
Engineering Consultancy,
BDS Technology Ltd (main
contractor)



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County Council