



TRANSPORT

Project:
Wistaston Road Overbridge
Re-construction

Location:
Crewe , Cheshire

Barhale Business Unit:
Rail

Client:
Network Rail

Value:
£850,000

.This scheme consisted of the replacement of a life expired highway overbridge in Crewe, Cheshire. Due to the constraints of operating around a live railway with overhead power lines, the majority of the major items of work were undertaken during possessions and isolations.

The work involved the closure of the highway and installation of traffic management. Existing buried services (gas, water, and electric) and pedestrian routes were relocated for the duration of the works onto a temporary service bridge with subsequent reinstatement into new ducts encompassed within the newly constructed bridge deck. The demolition and reconstruction works was programmed around disruptive possession over the Easter period.

The replacement steel beams and pre-cast concrete cill and parapet units were fabricated off site (the steelwork within Barhale's own fabrication shop at Walsall) and the new composite deck was installed over a series of

subsequent 7 hour Saturday night possessions to avoid unnecessary disruption to the operational timetable.

Works were completed by the casting of a reinforced concrete deck slab, the replacement of the diverted services, and the in-situ construction of brickwork parapet walls, chosen and constructed to blend in with the historic existing imperial brickwork followed by the realigning and relaying of the highway kerbing, street furniture and tarmac.

As well as undertaking the construction works Barhale were responsible for the ongoing liaison with, and management of, the statutory companies as well as ensuring the works took account of the needs of the local highways and environmental departments.