



Dovehouse Lane Bridge Solihull

 **VolkerLaser**


a VolkerWessels company



Project Information

VolkerLaser were awarded the contract to refurbish Dovehouse Lane Bridge in Solihull on a quality and price basis. Working across a 12 week contract for Client Solihull Metropolitan Borough Council the works were completed on time and to the satisfaction of the client.

Client:

Solihull Metropolitan Borough Council

Contract Value:

£300,000

Completion:

September 2009

Duration:

12 weeks

The structure in need of refurbishment exists alongside the original Dovehouse Lane Bridge built in 1876. As this new bridge carries the main weight of traffic, maintenance was required to refurbish and strengthen the structure. After investigative action was taken it was revealed the bridge needed a series of major works to extend the life of the road and reduce future maintenance.

The nature and the necessity of the work required traffic management to divert all traffic onto the old bridge, enabling all routes to remain fully operational throughout the 12 week contract.

During this time VolkerLaser removed all existing surfacing from the road and footways; existing waterproofing membrane and redundant service ducting were also removed to prepare the structure for further work.

The works included repairs to reinforced concrete, structural concrete removal and provision of access for repairs. The half joints required a temporary access solution which was designed and installed by VolkerLaser. The access solution consisted of an independent cantilevered scaffold at either end of the bridge. The access allowed VolkerLaser in conjunction with the Project Manager access to remove and to survey the existing structure prior to the removal of any concrete.

Cathodic protection installation was also required to the face of the half joint beam and VolkerLaser installed Galvashield CC100 sacrificial anodes in the areas that had been identified in previous surveys of the structure. As members of the Concrete

Repair Association (CRA) and Sprayed Concrete Association (SCA) and Corrosion Prevention Association (CPA) VolkerLaser are conversant with a range of concrete repair technologies and are at the forefront of changes in technology. As a result they could utilize their knowledge and expertise to complete a successful project.