



# The Paddington Bridge Project

## BRIDGE LAUNCH

The new bridge spans 14 Railtrack lines, 2 LUL lines, and the Grand Union Canal, at the entrance to Paddington Station

“From a strong shortlist, the judges had no hesitation in making the award to HOCHTIEF for the Bishops Bridge replacement at London Paddington.

Professional ingenuity, creativity and impeccable execution on their £24m lift and launch bridge scheme delivered on time and below budget”

JUDGES COMMENTS

**National Rail Award Winner 2006  
Civil Engineering Project.**



## The Paddington Bridge Project

The contract involved the design, demolition and re-construction of the existing Bishops Bridge Road, extending from the junction with Eastbourne Terrace, up to the Harrow Road roundabout.

### Client:

Westminster City Council  
BAA  
Railtrack

### Designers:

Scott Wilson  
Symonds  
Hyder

### Form of Contract:

NEC Option C

### Value:

£26,000,000

### Dates Work Carried Out:

Spring 2003 – June 2006

The new bridge spans 14 Railtrack lines, 2 LUL lines, and the Grand Union Canal, at the entrance to Paddington Station, one of the busiest rail termini in London.

The works were designed to maximise safety, and minimise disruption to the station, train operating companies and users, whilst managing the interface with statutory services, stakeholders and the local population. Substructure works involve the installation of foundations to Platform 1, and 10 utilising non-disruptive methods of construction, such as caisson piles.

The bridge deck is a steel composite, constructed in two spans, and the deck over the rails was launched from the canal-side deck. The existing bow-string arch bridge was lifted temporarily during the launch, and then lowered onto the new deck prior to removal and safe demolition.

HOCHTIEF bought together a team of designers, specialist fabricators and erectors within a partnering atmosphere partnered at tender stage to develop the optimum design and method. The contract was a NEC option C. The project was successfully completed on time in June 2006 and within agreed target costs.