

Bridges

Arup's bridge designs meet four vital criteria; excellent quality, sensitivity to the environment, aesthetically pleasing and useful for the end user.

With global experience, Arup has worked on every aspect of a bridge project, from planning and analysis through to design and construction.

A wide range of clients including government, public authorities and highway and railway owners have engaged us to work with them. An important aspect of bridge work, which Arup truly recognises, is optimising the skills and methods of the team involved. Through close collaboration with contractors, we deliver projects to meet clients' needs.

As a leading multidisciplinary firm, Arup can bring together the fundamental services required on a bridge project including traffic engineering, geotechnical, environmental and planning services.

This multidisciplinary service offering enables Arup to offer clients a total engineering capability without encountering the problems of defining the scope and responsibilities of separate contract organisations.

We work with clients from project inception to completion, transferring knowledge between the various stakeholders to ensure a successful outcome.

Our staff come from a variety of backgrounds with the ability to fully address all aspects of bridge design. Arup's skills networks allow engineers and specialists to draw on the vast technical resources available globally.



Goodwill Bridge, Brisbane, Queensland

Much more than just a transport link between South Bank and Brisbane's CBD, the Goodwill Bridge attracts huge crowds of pedestrians and cyclists, with more than 3 million crossings every year.



Charles Grimes Bridge, Melbourne, Victoria

Due to the tight site constraints including limited space, the presence of gas and sewerage utilities and the fact that four lanes had to remain available for traffic, Arup incorporated as much of the existing bridge foundations into the redevelopment, and closely managed contractors to permit ease of construction.



Stonecutters Bridge, Hong Kong, China

Providing a multidisciplinary service, Arup is contributing to what is likely to become the world's longest single span cable-stayed bridge, with a length of 1600 metres.