

BRIDGE

ENGINEERING

REPLACEMENT • WIDENING • STRENGTHENING • REPAIR

PUBLISHED
SEPTEMBER
2012

A special supplement from the publishers of
World Highways and distributed with the September issue

In 2011, China opened the world's longest bridge over water, the 41.58km Jiaozhou Bay Bridge, which is said to have cost well over US\$2 billion to build. In 2012 Russia will open the bridge to Russky Island, near Vladivostok, the world's largest cable-stayed bridge while in Mexico the Baluarte River Bridge will become the highest cable-stayed bridge in the world. Such feats not only show the growing confidence as finance from the growth economies becomes available, they are also essential to help build infrastructures that will speed up transport across countries.



Viable Solutions

Widening is a viable option as in the case of the Huey P. Long Bridge in Louisiana, USA, where a seven-year project is underway to give it extra lanes.

Such schemes are often the only viable solution when additional network capacity is required, and this often results in vast numbers of over-bridges having to be replaced; in-line bridges having to be widened; additional bridges built in parallel to carry the extra road lanes, and new interchanges, often while keeping as many of the existing lanes as possible open. This results in complex engineering and logistics, night-time working, and carefully timed lifting, requiring temporary road closures and traffic management.

We will report on the many replacement road bridges being built and on those where widening, strengthening and repair has proved a viable alternative, and the many specialist companies that offer the necessary design and engineering capabilities to deal with these needs, and manufacturers with specialised products to complete the tasks.

Products & Services to be included in this report include:

- Bridge bearings
- Concrete bridge deck pavers
- Concrete pumps
- Excavator-mounted breakers
- Formwork & falsework
- Hydrodemolition
- Parapet walls & barriers
- Lighting towers
- Mobile & tower cranes
- Reinforcement systems
- Temporary traffic management systems
- Software & modelling
- Waterproofing membranes
- Moveable barriers

Informed Authority

The supplement will be compiled by Patrick Smith and Mike Woof, Managing Editor and Editor of *World Highways* magazine. Between them they possess over 50 years of relevant editorial experience, and will ensure that the content of this supplement is thoroughly researched and highly informative. We guarantee high quality editorial for our high calibre readership, providing the perfect environment for you to present your products and services.

A supplement to

**WORLD
HIGHWAYS**
ROUTES DU MONDE

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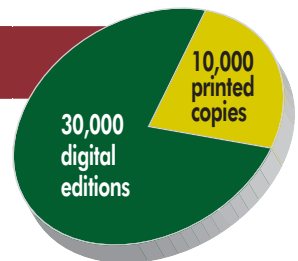
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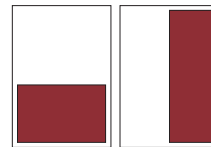


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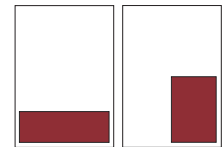


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