

Lianping Long-Span Bridge



Overview

The bridge over Hongshui River, situated in Tian'e county in Hechi city of Guangxi, is a two-way four-lane bridge with a total length of 2,488. It is the world's longest steel-reinforced concrete arch bridge in terms of span. Key Definitions for Context: Total Length: Includes the full continuous span of the bridge structure, not just the segment. The 1915 Çanakkale Bridge in Turkey, opened in 2022, has the longest central span (2,023 m) of any suspension bridge. It crosses the Dardanelles in Turkey. [Source: Our research] HSBE Long-span Bridge Engineering Center official site | Technical information | The Center's technical information. Perhaps above can also be done for repair works when asphalt shall be renewed. This could be a problem for bolted troughsThe Longtan Yangtze River Bridge is a river-crossing channel in Jiangsu Province, China, connecting Nanjing City and Yangzhou City.



Article Content

Recent Achievements and Challenge of Long Span

Among long-span concrete cable-stayed bridges, more than half of them have been found in cracking of concrete decks with various cracks, which

Recent Developments of Long-Span Highway Bridges in China

This paper presents a brief technical review about those significant long-span bridges in China during the past decade. The structural types in this review included arch, cable-stayed and

Design and construction of super-long span bridges in ...

Abstract Super-long span bridges demand high design requirements and involve many difficulties when constructed, which is an important indicator to reflect the bridge technical level of a

List of longest suspension bridge spans

OverviewOther record-holding suspension bridgesSee alsoFurther readingExternal links

The world's longest suspension bridges are listed according to the length of their main span (i.e., the length of suspended roadway between the bridge's towers). The length of the main span is the most common method of comparing the sizes of suspension bridges, often correlating with the height of the towers and the engineering complexity involved in designing and constructing the bridge. If one bridge has a longer span th

(PDF) Recent Achievements and Challenge of Long Span Bridges in

Abstract Recently, bridges are becoming longer, wider and more sophisticated in China and over the world, in particular, with longer span length or so-called long span bridges.

List of longest arch bridge spans

This list of the longest arch bridge spans ranks the world's arch bridges by the length of their main span. The length of the main span is the most common way

Developments and Prospects of Long-Span High-Speed Railway Bridge

With the rapid developments of the high-speed railway in China, a great number of long-span bridges have been constructed in order to cross rivers and gorges. At present, the longest main span of a

What is the Longest Bridge in the World?

The bridge is 54,717 meters long consisting of three cable-stayed bridges as well as an undersea tunnel. The bridge, under construction since

Latest developments in long span bridges

Steel towers, main cable and deck segments prefabrication in large units. Fast erection on site using huge tower cranes, floating cranes and special made lifting gantries.

Longtan Yangtze River Bridge_Baiduwiki

An integrated intelligent tower construction machine equipment system and lightweight ultra-high performance concrete material were innovatively applied. The Durability Design Guide for Long-Span

The 10 Longest Bridges In The World

Explore the world's longest bridges—engineering marvels that span vast terrains, connect regions, and showcase

Developments and Prospects of Long-Span High

With the rapid developments of the high-speed railway in China, a great number of long span bridges have been constructed to cross the rivers

Long span bridges Issue

Long span bridges Long-span bridges have always held a fascination for structural engineers – and indeed, for the general public – with the longest bridges of each

Expansive arch bridge in China's Guangxi opens to traffic

The bridge over Hongshui River, situated in Tian'e county in Hechi city of Guangxi, is a two-way four-lane bridge with a total length of 2,488.55

Special Issue on Recent Challenges and Innovations in Long-Span

The Changtai Yangtze River Bridge, which is under construction in Nanjing, China, will set a new record with an anticipated span of 1176 m after completion.

Special Issue on Recent Challenges and Innovations in Long-Span Bridges

Therefore, long-span bridges are necessary in some major engineering projects crossing valleys, rivers, or canals. Girder bridges, arch bridges, cable-stayed bridges, and suspension bridges are ...

Long-span bridges

Some design aspects common to long-span CSBs and suspension bridges, will be presented along with modern solutions, current research, and future development on the aerodynamic stability of decks

Special Issue on Recent Challenges and Innovations in Long-Span

Therefore, there still exists genuine demand for the construction of record-shattering long-span bridges, and bridge engineers will have to grapple with new unique challenges, such as

State-of-the-art of long-span bridge engineering in China

This paper introduces the state-of-the-art of longspan bridge engineering in China with emphases on recent long-span bridge projects, bridge deck configuration and material, design codes of long-span

List of longest bridges

Satellite view of the Lake Pontchartrain Causeway in southeast Louisiana. Reported by Guinness World Records as the longest continuous bridge over water.

List of longest bridges

The main span is the longest span without any ground support. There is no standard way to measure the total length of a bridge. Some bridges are

Crews in China Complete World's Longest Steel

Crews in Guangxi, China are wrapping up punch-list items and dismantling the project site of what is now the world's longest steel-reinforced

Longest bridge span for road and rail traffic

The Tsing Ma Bridge in Hong Kong, China, which opened to the public in May 1997, has a main span of 1,377 m 4,518 ft, making it the longest suspension-bridge span for combined road/railway traffic. The

Longest span arch bridge

The longest arch bridge is the Pingnan Third Bridge, a road crossing which spans the Xunjiang river near Pingnan in Guangxi, China. The bridge, which was opened for traffic on 28 December 2020,

Development of the World's Longest Bridge Span

Longest Spans by Struct. Type 1. Development of The Span Record

CSX Westbound Train Over the Long Bridge and Into Town, Bay

Railfan video of a slow-moving CSX mixed freight train making his way over a very long bridge the spans the bay. See the long video for a lot more exciting ...

Top 10 Longest Bridges in the World That Broke All Records

See the longest bridges in the world ranked by total length. Explore record-breaking spans, rail viaducts, and mega highways built through 2026.

Innovations in Design, Construction, and Management

Abstract The main bridge of Pingnan Third Bridge is a half-through concrete-filled steel tubular (CFST) arch bridge with a span of 575 m, and it is

Design and construction of super-long span bridges in

This paper aims to review and summarize the design and construction practices of the superstructure, the substructure, and the steel deck

Long-span bridge ranking | Technical information | Long-span Bridge ...

We gathered information on domestic and international long span bridge and summarized them as a long span bridge ranking for each bridge type.□Source: Our research□

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