

# Guinea Long-Span Bridge





## Overview

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The world's longest suspension bridges are listed according to the length of their main (i. The length of the main span is the most common method of comparing the sizes of, often correlating with the height of the towers and the engineering complexity involved in designing and constructing the bridge. Improved access to urban areas, greater economic opportunities for the inhabitants and faster routes to hospitals and other facilities: these are some of the aims of the Five Bridges project in Conakry, the busy capital of Guinea. Construction of the Kouroussa-Kankan road and a bridge over the Niger river with approach embankments. The work was divided into three phases, namely: Phase 1: Inspections Phase 2: Laboratory sampling and testing Phase 3: Structural.



## Guinea Long-Span Bridge

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### **PowerChina helps Guinea open up the transportation**

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Amid the long lines of traffic in the centre of Guinea's capital, Conakry, the outline of a yellow-and-white overpass is becoming clearer. The

### **PowerChina helps Guinea open up the transportation**

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Gong Qiaoqi, the project manager, told reporters that the overpass is composed of an upper span bridge, a ground roundabout and an underpass



## **Guinea bridge project to improve mobility and quality of life**

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Dutch contractor Ballast Nedam is to design and build five bridges and 12km of access road to improve transport links in Conakry, the capital city of Guinea.

## **Recent Developments of Long-Span Highway Bridges in China**

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From the Industrial Revolution, the evolution of bridge engineering has undergone more than two centuries. The development of long-span highway bridges depends on social need, design

## **Beipan River Guanxing Highway Bridge**

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The Beipan River Guanxing Highway Bridge or Beipanjiang River 2003 Bridge is a



366-metre-high suspension bridge on the Guanxing Highway near Xingbei Town (Xinbeizhen), Zhenfeng County,

## **XCMG helps Guineas first cable-stayed bridge close smoothly**

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Boffa project is constructed by China Aluminum International. The cable-stayed bridge is 486 meters long, the main span of the river surface is 270 meters, the bridge is 11 meters wide, and the main

## **Keying of the 4th bridge of Oyala, Equatorial Guinea**

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Keying of the 4th bridge in the context of the development of the future city of Oyala, Equatorial Guinea (GQ). Six months after the start of the construction of the deck



## **GUINEA (DRIVE18GN01) Advisory Review of the ESIA for the Five**

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Netherlands Commission for Environmental Assessment (NCEA). Advisory Review of the ESIA for the Five Link and Access Bridges in the City of Conakry. 2018. 18 pages.

## **Latest developments in long span bridges**

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Long span bridges - own references Suspension bridges - built 1915 Çanakkale Bridge - 2023m, Türkiye 2022 present world record Osmangazi Bridge - 1550m, Türkiye 2016 Maputo-Katembe

## **PNG**

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PNG'S LONGEST FOOTBRIDGE OPENS AT PAPA-LEALE The country's longest footbridge, spanning 220 metres, has officially opened at Papa-Lealea village in Hiri West, Central



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

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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

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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



## **Design of Long Span Concrete Box Girder Bridges**

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Long span concrete box girder bridges first appeared in the 1950's. From the beginning, this bridge type was built segmentally using the balanced cantilever method of construction with form

## **Crews in China Complete World's Longest Steel**

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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

## **Emergency Rehabilitation of Bridge N7 in Kerouane, Guinea**

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It was deemed that the bridge should be taken out of service as a new one is being built upstream. The existing temporary support, by propping, was also failing.



## **Top 6 Types of Long Span Bridges**

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This article throws light upon the top six types of long span bridges. The types are: 1. Continuous Plate Girder Bridges 2. Continuous Steel Tubular or Box-Girder

## **Constructability considerations in long span bridge design**

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As the spans of cable stayed bridges and suspension bridges increase in length, erection methods have progressively evolved to meet the demands of the design.

## **List of longest continuous truss bridge spans**

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This list of continuous bridge spans ranks the world's continuous truss bridges in two listings: The first is ranked by the length of main span (the longest length of

## Three Cable-Stayed Road Bridges in Oyala

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Bridges Three Cable-Stayed Road Bridges in Oyala Project Description Deep in the rainforest of Equatorial Guinea, the government is building a new capital city:

## List of longest suspension bridge spans

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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



## **Grand opening of the five new bridges in Conakry, Guinea**

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The five new bridges, with a total length of 720 meters and approximately 11 kilometers of connecting roads, provide better links between neighbourhoods, hospitals, and other essential facilities.

## **Super-long-span bridges: wind-resistant design**

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Suspension bridges with spans exceeding 1500 m were only achieved in 1998 with completion of the Akashi Kaikyo Bridge in Japan and the

## **POWERCHINA alleviates traffic congestion in Guinea**

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This interchange is pivotal for improving traffic conditions in Conakry and has attracted significant attention from the Guinean government. In July 2024, Guinea's Prime Minister, Mamadou Oury Bah,

## Five bridges Conakry

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Five bridges Conakry - Guinea - DRIVE18GN01 On request of the RVO (Dutch Enterprise Agency), the NCEA has reviewed the ESIA for the Five link and access bridges for the city of

## List of longest cable-stayed bridge spans

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Cable-stayed bridges with more than three spans are generally more complex, and bridges of this type generally represent a more notable engineering achievement,



## **Long-span bridge ranking , Technical information , Long-span Bridge**

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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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