Nigeria right-angle bridge



Overview

The River Niger Bridge or Onitsha Bridge is a bridge that connects the southeastern and southwestern regions of Nigeria across the Niger River. The bridge, which was completed in 1965, is located in Onitsha, Anambra State, and links to Asaba, Delta State. The bridge has two lanes and a pedestrian walkway, and is often congested with traffic and informal traders.

Key Takeaways

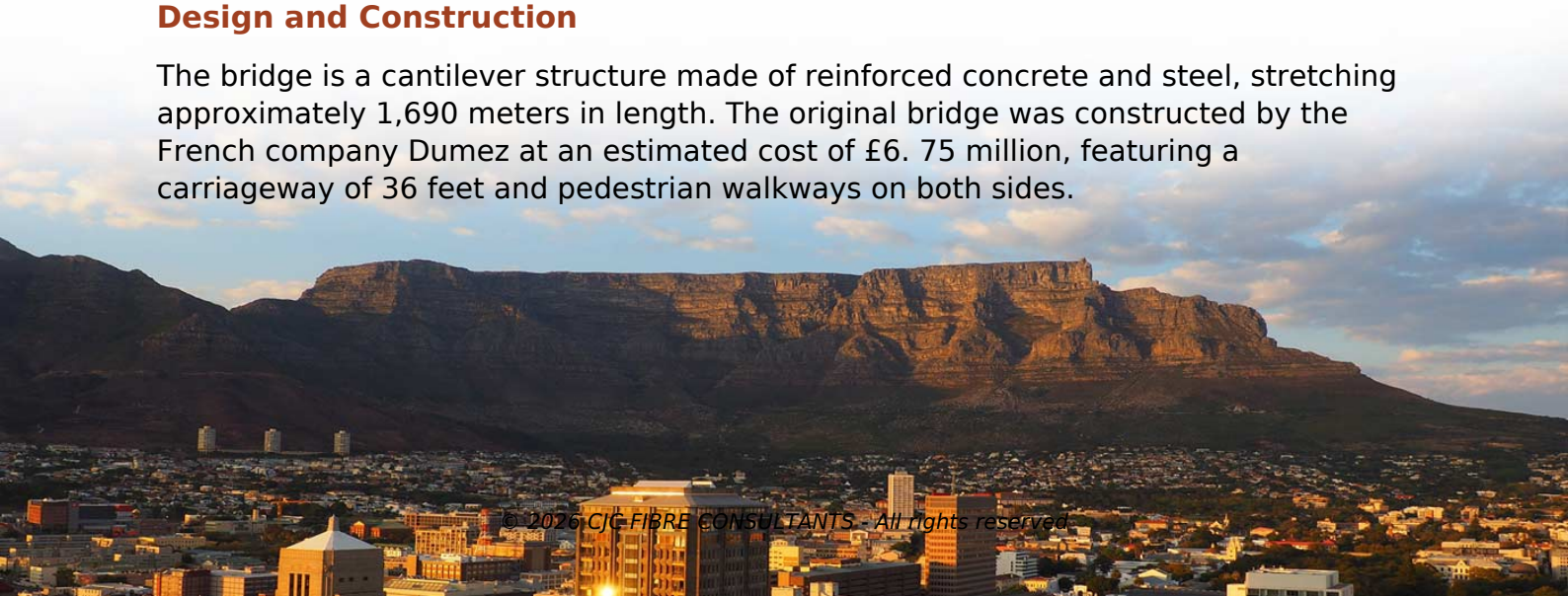
The River Niger Bridge in Onitsha, Nigeria, is a cantilever bridge connecting Anambra and Delta States, with a second modern bridge inaugurated in 2023 to ease traffic.

Overview and Location

The original River Niger Bridge, also known as the Onitsha Bridge, was completed in 1965 and spans the Niger River, linking Onitsha in Anambra State to Asaba in Delta State. It serves as a critical east-west connection in Nigeria and forms part of the Trans-African Highway linking Lagos to Mombasa. The bridge has two lanes for vehicles and pedestrian walkways, and it has historically been congested due to heavy traffic and informal trading.

Design and Construction

The bridge is a cantilever structure made of reinforced concrete and steel, stretching approximately 1,690 meters in length. The original bridge was constructed by the French company Dumez at an estimated cost of £6. 75 million, featuring a carriageway of 36 feet and pedestrian walkways on both sides.



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The design allows for a strong, stable structure capable of spanning the wide Niger River while accommodating seasonal water level variations. The Second Niger Bridge, inaugurated in 2023, was built to reduce congestion and modernize the crossing. It is a 1,600-meter reinforced concrete river crossing with a maximum span of 150 meters, including motorway junctions, a toll station, and 10 km of approach roads on soft, swampy terrain.

Construction employed methods such as clock push and cantilever techniques, carefully coordinated with the river's 10-meter seasonal water level variation.

Historical and Cultural Significance

The River Niger Bridge is more than an engineering feat; it is a symbol of unity and progress in Nigeria. It facilitated trade and commerce between eastern and western regions, improving market access for farmers and traders, reducing travel time, and enhancing logistics. Culturally, it serves as a meeting point for diverse ethnic groups, fostering exchange and hosting festivals and trade fairs.

For many Eastern Nigerians, crossing the bridge evokes a sense of homecoming and emotional connection.

Economic and Infrastructure Impact

The bridge has been pivotal in infrastructure development, prompting the construction of feeder roads and highways that support regional economic growth. The Second Niger Bridge further strengthens transport infrastructure, easing traffic congestion and improving connectivity for commerce and tourism. In summary, the River Niger Bridge and its modern counterpart are key engineering landmarks in Nigeria, combining historical significance, cultural symbolism, and modern transport functionality.

Article Content

River Niger Bridge

The River Niger Bridge or Onitsha Bridge is a bridge that connects the southeastern and southwestern regions of Nigeria across the Niger River. The bridge, which was completed in 1965, is located in Onitsha, Anambra State, and links to Asaba, Delta State. The bridge has two lanes and a pedestrian walkway, and is often congested with traffic and informal traders. A second bridge, known as the Second Niger Bridge or th

Second Niger bridge

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The Second Niger Bridge crosses the Niger between the cities of Asaba the capital of Delta State which is rich in oil in the west and Onitsha in the east. When completed, it will be the last bridge over the Niger River before it branches into its delta arms. The Niger is the third longest river in Africa after the Nile and the Congo. It moves 7,000 m /s water at Onitsha, which is more than a hundred times as much as the Thames in London (65 m /s) and almost three times as much as the Missouri river (2,450 m /s) before re

Second River Niger Bridge

Julius Berger is constructing the 1600 m long Second Niger Bridge between the Nigerian cities of Asaba and Onitsha to improve the transport infrastructure.

The Historic River Niger Bridge: A Vital Connection in Nigeria

Spanning the River Niger, this bridge not only connects the eastern and western regions of Nigeria but also serves as a vital artery for trade, transportation, and cultural exchange.

Second River Niger Bridge in Asaba, Nigeria

The existing bridge over the Niger, built in 1965, connects the cities of Asaba in the Delta state on the western bank and Onitsha in the Anambra state on the eastern bank.

Second Niger Bridge, Onitsha (Nigeria)

The cities Asaba (Capital of Delta State) and Onitsha (Capital of Anambra State) are located in the South of Nigeria, Asaba on the West bank and Onitsha on the East bank of the River Niger.

In Nigeria, Traffic on a Bridge Stifles Economic Progress

A narrow, old bridge that connects two economically vital areas of Nigeria is a chokepoint stifling progress in Africa''s most populous nation.

A Long Story Of A Second Long Niger Bridge

The first River Niger Bridge as it stands today is a beautiful architectural landscape arching over the River Niger like a tightly drawn bow.

Nigeria''s Lagos shortlists Mota-Engil, Chinese ventures for $2.5 bln bridge

A consortium led by Portugal''s builder Mota-Engil and two Chinese ventures has been shortlisted by Nigeria''s Lagos state to build a $2.5 billion bridge that is expected to relieve severe ...

7 Engineers Suspended in India Over Bridge With 90-Degree Turn

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The state government of Madhya Pradesh in northeast India suspended seven engineers on Saturday after images of a road bridge with a right-angle turn went viral on social media. Among

Bhopal railway Overbridge: Exclusive Before Bhopal''s 90-degree bridge ...

Exclusive: Before Bhopal''s 90-degree bridge came up, Railways had warned: ''Will give a bad image to engineers'' MP 90-Degree Overbridge: The 648-metre bridge in the Aishbagh area,

Check out the 6 Longest Bridges in Nigeria (2022)

These are the major, most prominent bridges in Nigeria arranged according to length from the longest to the least. They also hold significant

Top 10 Longest Bridges in Nigeria – Nigeria 234

1. Third Mainland Bridge (Lagos) Length: ~11.8 km (7.3 miles) Opened: 1990 Significance: Longest bridge in Nigeria and West Africa until 1996;

Lesson In Geometry? Bhopal Bridge With 90-Degree

In a country where development sometimes takes a wrong turn, the newly inaugurated Aishbagh Overbridge in Bhopal is fast becoming a case study.

African Development Bank Group approves $200 million

The Board of Directors of the African Development Bank Group has approved a $200 million loan to the government of Nigeria to advance a flagship

Top 15 Most Beautiful Bridge in Nigeria

Nigeria, a country known for its rich cultural heritage and diverse landscapes, is home to some truly breathtaking architectural marvels. Among these gems are its stunning bridges that span

India: Engineers suspended for right-angled bridge

India: Engineers suspended for right-angled bridge Swift action over Bhopal rail bridge with unconventional design. A state government in central India has suspended eight engineers from its

Category:Bridges in Nigeria

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