

# RIVO MULTITRADE OPTICAL SYSTEMS

## Large-span bridge structure near Jamaica



### Overview

The Flat Bridge is a across the on the connecting the Jamaican capital, with the north coast tourist areas of and. It is one of the oldest bridges in Jamaica.

### Key Takeaways

The Montego Bay Bypass Bridge over the Montego River is currently Jamaica's longest bridge, spanning 180 meters.Montego Bay Bypass Bridge

The Montego Bay Bypass Bridge, part of the Montego Bay Perimeter Road Project in St. James, is a modern four-lane concrete bridge spanning 180 meters, making it the longest in Jamaica . It surpasses the previous record held by the 150-meter bridge on the May Pen to Williamsfield segment of Highway 2000 . The bridge is a signature feature of the bypass, designed to improve traffic flow, reduce travel time, and enhance safety with two escape lanes for vehicles on steep inclines . Construction involves advanced engineering to navigate urban and rural terrain, including sections crossing mangroves .

#### Hunt's Bay Bridge

Located in Kingston, the Hunt's Bay Bridge is part of the Highway 2000 project. It carries six lanes of traffic and has a maximum span of 45 meters. The superstructure consists of four composite steel-concrete box girders with a transversely post-tensioned top slab. The bridge is designed to withstand high seismic loads, with foundations using steel piles partially filled with concrete . Innovative construction methods, such as launching the bridge from the abutment using a temporary steel nose, minimized the need for heavy cranes and temporary supports in the waterway .

## Old Iron Bridge

For historical context, the Old Iron Bridge in Spanish Town, built in 1801, spans 82 feet (25 meters) over the Rio Cobre River . It is one of the oldest iron bridges in the Western Hemisphere, constructed from cast iron shipped from England and assembled on-site. The bridge features four arched ribs and stone abutments, reflecting early 19th-century engineering practices . While smaller than modern bridges, it remains a significant historical and engineering landmark.

### Summary

- Montego Bay Bypass Bridge: 180 meters, four lanes, modern concrete, St. James, largest in Jamaica .
- Hunt's Bay Bridge: 45 meters, six lanes, steel-concrete composite, Kingston .
- Old Iron Bridge: 25 meters, historical cast iron, Spanish Town . These bridges illustrate Jamaica's evolution from early iron structures to modern large-span concrete and steel bridges, highlighting both historical significance and contemporary infrastructure development.

## Article Content

### Jamaica's Largest Four-Lane Bridge Nears Completion

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### Flat Bridge

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### NWA Bridges | National Works Agency

### NWA Bridges Parish

### NWA Bridges and Roads | National Works Agency

The National Works Agency has 736 bridges in its database. These are of varying types ranging from Steel Beams, Arch, Concrete

### Top 10 Longest Bridges in the World That Broke All Records

When it comes to infrastructure, few structures match the scale and ambition of the world's longest bridges. These

### Long-span bridges

In the 20th century, with the construction of bridges with spans exceeding 1000 m, and up to nearly 2000 m in this century, large

### St. Catherine Heritage Sites – Jamaica Information Service

The bridge was declared a National Monument by the JNHT and was at one time placed on the UNESCO list of

### First Iron Bridge in the Caribbean

Marvel at the historic First Iron Bridge in Spanish Town, Jamaica, a 19th-century engineering feat and a lasting symbol of the island's

### Popular Bridges in Jamaica

Popular Bridges in Jamaica by Roland (Kingston 10) The Flat Bridge in St. Catherine, Jamaica source:Wikipedia QUESTION:

Flat Bridge Jamaica's Most Famous & Oldest Bridges

Flat Bridge was built in the mid 18th century by slave labour, plantations in the area was obliged to provide one slave

List of longest beam bridge spans

This list of the longest beam bridge spans ranks the world's beam bridges by the length of their main span. The length of the main

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A narrated driving tour of the Largest bridge in Jamaica under construction.

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The Old Iron Bridge: A Timeless Piece of History in Spanish Town, Jamaica

In 1801, it became a pivotal structure, connecting Spanish Town, the island's old capital, with other significant towns

Old Iron Bridge still arching its back

The famous, but fearsome Flat Bridge that span the Rio Cobre in the Bog Walk Gorge in St Catherine comes to mind.

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Part of the Highway 2000 project in Kingston, Jamaica, this bridge is 26.6 m (87 ft) wide and carries six

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Reported by Guinness World Records as the longest continuous bridge over water. The Manchac Swamp Bridge can be seen on

### Microsoft Word

2.1 Bridge Structure This project comprises the construction and replacement of approximately 43 Bridges Island wide. The bridges

### Day 300 of 365 Things to Do, See & Eat in Jamaica

The bridge was declared a National Monument by the Jamaica National Heritage Trust.

### How Much Do You Know About The Spanish Town Iron Bridge

The Spanish Town Iron Bridge in St. Catherine was the first of its kind to be built in the Western Hemisphere.

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### Mega Infrastructure: Bustamante Bridge Jamaica

### A narrated driving tour Longest Bridge in Jamaica

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The parts were manufactured in England by the Walker ironworks company, and then shipped to Jamaica for assembly. The Old Iron

### View from the top — Old Spanish Bridge

Once there, the beauty of Old Spanish Bridge, reportedly built in the 17th century by the island's then colonisers, is near

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