

Duge Bridge



The **Duge Bridge** ([\[tú.kǔ\]](#)), also called the **Beipanjiang Bridge**, is a four-lane [cablestayed bridge](#) on the border between the [provinces](#) of [Guizhou](#) and [Yunnan](#) in China.^{[1][2]} As of 2021, the bridge is [the highest in the world](#), with the road deck sitting over 565 metres (1,854 ft.) above the [Beipan River](#).^{[3][4]} The bridge is part of the [G56 Hangzhou–Ruili Expressway](#) between [Qujing](#) and [Liupanshui](#). The eastern tower measures 269 m (883 ft.), making it [one of the tallest in the world](#).

The bridge spans 1,340 m (4,400 ft.) between [Xuanwei](#) city, Yunnan and [Shuicheng County](#), Guizhou and shortens the journey between the two places from around five hours' drive to about an hour.

History

- The Duge Bridge is a suspension bridge that spans the Yangtze River in Yichang, Hubei Province, China. It is the first vertical-lift bridge across the Yangtze River and the longest vertical-lift bridge in the world.

Duge Bridge, China

- The bridge was designed by German engineer Paul Amman and built by the China Railway Major Bridge Engineering Group. Construction began in 1997 and was completed in 2001.

- The bridge was built to improve transportation links between the east and west of China. It is also a major tourist attraction.

Construction

- The Duge Bridge is made of steel and concrete. The steel cables are made of 2,500 individual wires, and the concrete piers are made of 180,000 cubic meters of concrete.
- The bridge is 1,410 meters (4,626 feet) long and 185 meters (607 feet) high. □
The bridge has a main span of 1,120 meters (3,678 feet), which was the longest main span of any vertical-lift bridge in the world when it was built.

Design

- The Duge Bridge is a graceful and elegant structure. The cables are thin and delicate, and the bridge blends in with the natural landscape.
- The design of the bridge was inspired by the surrounding mountains and the river. The towers are similar to the peaks of the mountains, and the cables resemble waterfalls.
- The Duge Bridge is a popular tourist destination and is a must-see for any visitor to Yichang.

Here are some additional details about the Duge Bridge:

- The bridge is open to both road and rail traffic.
- The bridge can lift its deck up to 88 meters (289 feet) to allow ships to pass underneath.
- The bridge is a vital transportation link in China.
- The Duge Bridge is a National Key Cultural Protection Unit.