

Anqing Yangtze Bridge (China)



Project description

This cable stayed road bridge was constructed between 2000 and 2004 to carry the G50 Shanghai–Chongqing Expressway across the Yangtze, the world's third longest river. With a length of 6,300 kilometres, all within China, the Yangtze drains one fifth of the country's land area and its river basin is home to one third of the country's population.

The bridge, one of a number of Yangtze River crossings for which mageba has supplied very large expansion joints and other bridge components, has a total length of 5,985 m and a main span of 510 m.

mageba scope

In 2004, when the bridge was being constructed, mageba supplied four TENSA®MODULAR expansion joints for the ends of the cable supported structure's deck, two at each end. The joints are of type LR18, with 18 gaps accommodating longitudinal deck movements of 1,440 mm.

The joints were designed for welded connections to the bridge's steel deck at one side and concreted connection to an abutment at the other. Due to their great size, and manufacture in Europe (prior to the establishment of mageba's Shanghai factory in 2005), the joints were assembled on the bridge for transportation reasons.

Highlights & Facts

mageba products:

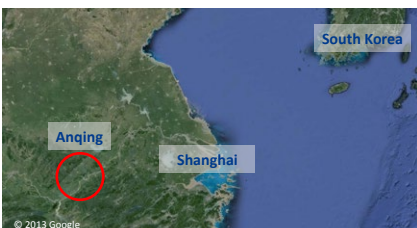
Type: TENSA®MODULAR expansion joints (type LR18, 18 gaps each)
Features: ROBO®GRIP anti-skid surfacing, welded connection to steel deck

Installation: 2004

Structure:

City: Anqing
Country: China
Completed: 2004
Type: Cable stayed bridge
Length: 5,985.66 m
Owner: Anqing Yangtze River Highway Bridge Co., Ltd

The bridge crosses the Yangtze River in the city of Anqing in eastern China



The 18-gap expansion joints were designed for both welded and concreted connections



Due to their great size, the TENSA®MODULAR expansion joints were assembled on site

