

Bridge Technology to Enhance Disaster Resilience

Japan Bridge Association is an organization established by 30 leading steel bridge manufacturers in Japan. We are contributing to society through the construction and maintenance of steel bridges in the world.

Technologies de ponts renforçant la résilience face aux catastrophes

L'Association des constructeurs de ponts du Japon (Japan Bridge Association) est une organisation qui regroupe 30 acteurs de premier plan du secteur des ponts en acier dans ce pays.

Nous contribuons à la société en construisant et en entretenant des ponts en acier à travers le monde.



Maintenance to extend the service life of bridge structures

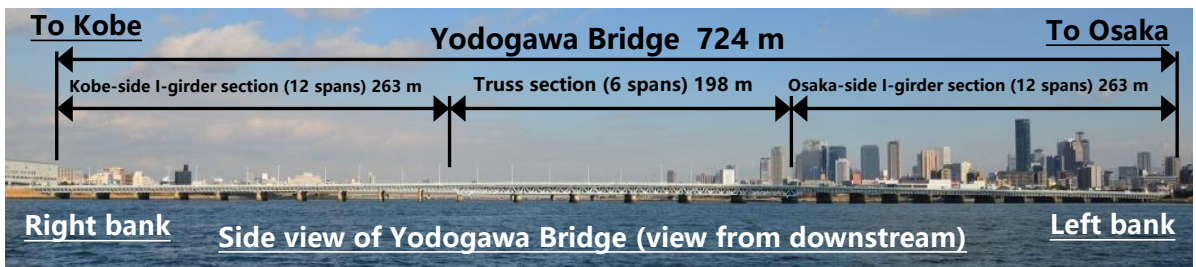
■ Yodogawa Bridge

The Yodogawa Bridge is a 724-m-long I-girder Warren truss bridge spanning the lower reaches of the Yodo River in the city of Osaka.

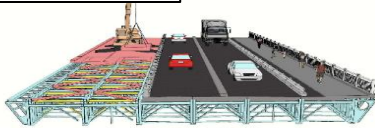
Completed in 1926, the bridge is a 97-year-old bridge as of this writing.

Even today, the Yodogawa Bridge is an arterial route in Osaka City with an average daily traffic of about 35,000 vehicles.

Periodic inspections revealed that the reinforced concrete deck slabs of the bridge are heavily damaged. In response to the local business community's request to minimize the impact of a road closure on economic activities, the construction work was divided into three phases, and the work was completed in about three years while maintaining a limited traffic capacity.



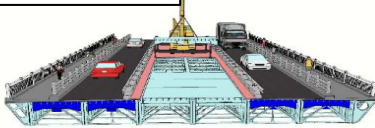
Phase 1 work



Phase 2 work



Phase 3 work



Construction steps



Construction companies:
IHI Infrastructure Systems
and Yokogawa NS Engineering

