

Overview of the Osaka City Bridge Conservation and Renewal Plan

The Osaka City Bridge Conservation and Renewal Plan encompasses project plans (related to inspections, maintenance, repairs, reinforcement, and reconstruction) and policies necessary to ensure that the bridges administered by the City of Osaka Public Works Bureau are maintained in good condition in the future.

Inspection and repair

Inspection

As a rule, we perform a detailed inspection of each bridge once every five years to ascertain the condition of the bridge and thereby prevent significant damage or accidents.



Inspection

Maintenance and repair

On the basis of the findings of detailed periodic inspections, we perform preventive maintenance by estimating the future deterioration of a bridge and performing repairs before damage becomes significant.



Steel bridge repainting

Reinforcement

We implement safety measures such as reinforcements for larger vehicles and the installation of roadside barriers.



Roadside barrier

Roadside barrier installation

We implement earthquake resistance measures as protection against large-scale earthquakes.



Bridge-collapse prevention device

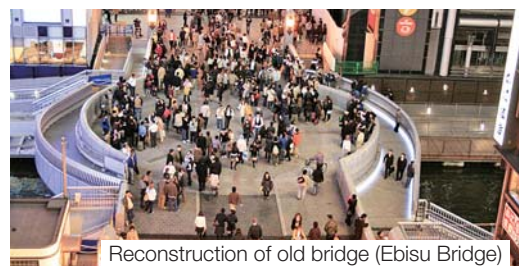
Pier reinforcement

Earthquake resistance measures

Reconstruction

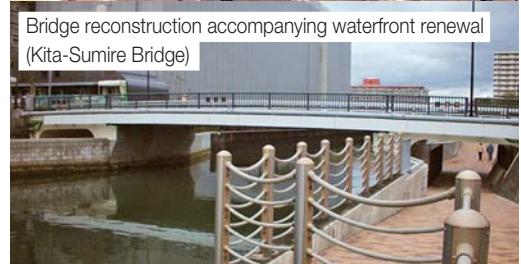
Reconstruction

We judge, on the basis of life-cycle cost analysis, the need to reconstruct old bridges built before World War II, and perform systematic reconstruction accordingly. (Refer to page 7 for details.)



Reconstruction of old bridge (Ebisu Bridge)

We perform bridge reconstruction as necessitated by waterfront renewal projects and city planning projects.



Bridge reconstruction accompanying waterfront renewal (Kita-Sumire Bridge)