

# Middle Yanggao Road Reconstruction Project (CN)



## Project description

The reconstruction of the Middle Yanggao Road in Shanghai covers a 3.5-km-long section from the Luoshan Road Overpass in the east to the Middle Ring Overpass in the west.

The road is located in the main thoroughfare of the inner and outer ring roads, with very heavy traffic. In order to ease the traffic flow, three new ramps were built and one new ramp was additionally reconstructed.

Since the project is situated in a densely populated area, the requirements for the installed joints in terms of noise emission were very high, which had a huge importance when it came to the selection of the right expansion joint type.

## mageba scope

After a thorough consideration, mageba's TENSA®POLYFLEX®ADVANCED PU plug expansion joint was selected for use, as this joint type meets the technical requirements for high and uneven vertical deformation frequencies that may arise on both sides of the viaduct.

It also ensures seamless connections on both ends of the curved viaducts with low-noise emission of the overpassing traffic due to its smooth surface that is flushed with the adjacent road surface.

As a result, TENSA®POLYFLEX®ADVANCED PU joint provides the highest possible driving comfort and in addition it is watertight, therefore it can effectively protect the substructure.

In 2022, mageba installed a total of 190 m TENSA®POLYFLEX®ADVANCED PU plug expansion joints on Middle Yanggao Road, from the Luoshan Road Overpass to the Middle Ring Overpass.

## Highlights & Facts

### mageba products:

Type: TENSA®POLYFLEX® ADVANCED PU joints

Completion: 2022

### Structure:

City: Shanghai

Country: China

Type: Overpass

Completion: 2022

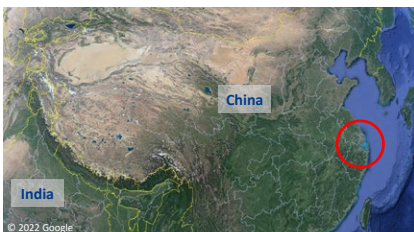
Length: 3.5 km

Owner: Shanghai Pudong Engineering Construction Management Co., Ltd

Contractor: Shanghai Pudong Road & Bridge (Group) Co., Ltd

Engineer: SMEDI

The project is located in Shanghai, China



Preparation of the substructure



TENSA®POLYFLEX®ADVANCED PU joint after installation

