

Ohio River Bridges – East End Crossing (USA)



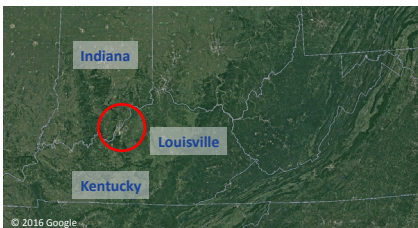
Project description

The Ohio River Bridges Project in the Louisville–Southern Indiana region of the United States involves the construction of two bridges across the Ohio River – one in the metropolitan area’s Downtown neighborhood (equipped with mageba bearings), and one eight miles upstream in the area’s growing East End.

With a length of 2,500 feet (762 m), the bridge is just one part of the East End Crossing, which has a total length of 8.5 miles (13.67 km).

The overall project is financed by WVB East End Partners, a consortium involving VINCI Concessions, Walsh Investors and Bilfinger Berger PI International Holdings.

The bridge will connect Interstate 265 across the Ohio River, north of Louisville, Kentucky



mageba scope

TENSA®MODULAR expansion joints of types LR8 and LR11 (with 8 and 11 gaps respectively) are being supplied by mageba USA, to facilitate deck movements at two bridge axes. At each bridge axis, three separate joints are required – one for each carriageway and one for a footway. The LR11 joints can accommodate longitudinal service movements of up to roughly 33 inches (838 mm), as well as transverse and vertical movements and multi-axial rotations.

The joints were designed and fabricated in accordance with AASHTO LRFD Bridge Construction Specifications, and hot-dip galvanized in accordance with ASTM A123.

3D rendering of a TENSA®MODULAR expansion joint



Highlights & Facts

mageba products:

Type: TENSA®MODULAR expansion joints of types LR8 and LR11

Movements: Type LR8: 24 inches (610 mm)
Type LR11: 33 inches (838 mm)

Installation: 2016

Structure:

City: Louisville, KY

Country: USA

Type: Cable-stayed bridge

Completed: 2016 (projected)

Owner: KY DOT

Contractor: Walsh Construction Co.
VINCI Construction

Engineering: Jacobs Engineering

Bird's eye view of the construction site

