

Ohio River Bridges – Downtown (USA)



Project description

The Ohio River Bridges project involves the construction of two new bridges across the Ohio River between the states of Indiana and Kentucky. The Downtown Crossing will connect the downtown areas of the cities of Louisville in Kentucky and Jeffersonville in Indiana, and the East End Bridge is located eight miles upstream.

The Downtown Crossing project is a cable-stayed bridge with three sets of twin towers. When opened in 2016, it will be tolled to partially refinance its construction.

mageba scope

mageba is supplying 20 structural bearings to support the deck of the new bridge. 10 of these are LASTO®BLOCK elastomeric bearings, and 10 are RESTON®DISC disc bearings.

A number of the disc bearings will be installed vertically to primarily resist horizontal forces at the pylons.

With a service life of 50 years, the sliding bearings feature ROBO®SLIDE high-grade sliding material instead of the commonly used PTFE, to enhance resistance to wear and abrasion, and therefore maximize overall durability.

Highlights & Facts

mageba products:

Type: RESTON®DISC disc bearings
LASTO®BLOCK elastomeric bearings

Special: 50-year service life
Installation: 2014

Structure:

City: Louisville, KY
Country: USA
Construction: Cable-stayed bridge
Type: Highway bridge
Built: 2013–2016
Contractor: Walsh Construction Co.
Owner: KY DOT

The Ohio River Bridges Downtown Crossing connects Louisville (KY) and Jeffersonville (IN)



A finished RESTON®DISC bearing with adjustable height and presetting



A finished LASTO®BLOCK elastomeric bearing

