

# Bill Emerson Memorial Bridge (USA)



## Project description

The Bill Emerson Memorial Bridge is a cable-stayed bridge connecting Missouri's Route 34 and Route 74 with Illinois Route 146 across the Mississippi River between Cape Girardeau, Missouri and East Cape Girardeau, Illinois.

The project consisted on the rehabilitation the West approach, on the Missouri side of the bridge, by replacing the approach slab, repairing the back wall of the abutment and exchanging the modular expansion joints.

## mageba scope

mageba supplied two TENSA®MODULAR LR8 modular expansion joints to replace the existing 15 year old modular joints at the Missouri abutment, for East and West bound traffic.

The rehabilitation project required the new joints to have 8-gaps for a new capacity of 24 inches (609 mm) of longitudinal movement compared to the existing 6-gaps, of only 18" (457 mm) of movement.

In addition, mageba supplied the barrier cover plates at the parapets and provided on-site installation supervision.

## Highlights & Facts

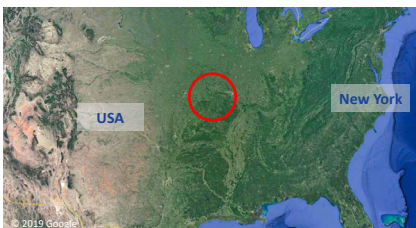
### mageba Products:

Type: TENSA®MODULAR LR8 modular expansion joints  
Installation: 2019

### Structure:

City: Cape Girardeau, MO  
Country: United States  
Type: Cable-Stayed bridge  
Main span: 1,150 ft (350 m)  
Length: 4,000 ft (1,219 m)  
Completion: 2003  
Owner: MoDOT  
Contractor: Phillips Hardy  
Engineer: HNTB

The Bill Emerson Memorial Bridge crosses the Mississippi River and connects Missouri with Illinois



New mageba expansion joint next to existing joint to be replaced



Modular joint installation

