

US-35 deck Replacement (USA)



Project description

The US-35 Deck Replacement in La Porte, Indiana was a project that intended to transform the outer shoulders of the bridge into new traffic lanes.

The project also covered replacing old shoulders converted to accommodate traffic, with new ones.

mageba scope

mageba provided two 72 ft. (21.95 m) TENSA®MODULAR LR3 modular expansion joints for the project, to be used for free movement in all directions featuring barrier cover plates.

However, welding was avoided in all highly stressed connections to accentuate the durability of the expansion joint.

Each joint was installed in two sections as traffic remained open on the bridge, and mageba utilized a special, fatigue resistant, bolted splice connection design for this application.

All of the joint's well-proven wear resistant parts can be replaced with little effort and without disrupting traffic in the future.

Highlights & Facts

mageba Products:

Type: TENSA®MODULAR LR3 modular joints
 Feature: Barrier cover plates
 Bolted splice connection
 Installation: 2019

Structure:

City: La Porte, IN
 Country: United States
 Main span: 147 ft (44.8 m)
 Length: 1,103 ft (336 m)
 Completion: 2019
 Owner: Indiana Department of Transportation
 Contractor: Superior Construction Co., Inc.
 Engineer: Burgess & Niple, Inc.

The bridge repair and road construction took place on US 35 in the town of La Porte, Indiana



TENSA®MODULAR LR3 joint is being installed



One of the installed modular joint under traffic

