

Morelia-Lázaro Cárdenas highway (Mexico)



Project description

The highway connecting the cities of Morelia and Lázaro Cárdenas in Michoacán state in southern Mexico was subjected to significant maintenance works in 2013 – 2014, with many bridge structures along its length being renovated. A number of the bridges required new expansion joints at each end of their decks, to provide a suitable driving surface for traffic while protecting the deck ends and preventing the passage of water through the deck's movement gap.

mageba scope

mageba supplied 70 expansion joints for a large number of bridge structures on the highway: 36 TENSA®GRIP Type RS-B single gap joints (accommodating 110 mm of movement) and 34 TENSA®RSFD cantilever finger joints (allowing 160 mm of movement). The cantilever finger joints, in addition to facilitating greater movements, also minimize noise from traffic crossing the movement gap by providing continuous support to a vehicle's wheels and thus avoiding the impacts that can result in noise.

Highlights & facts

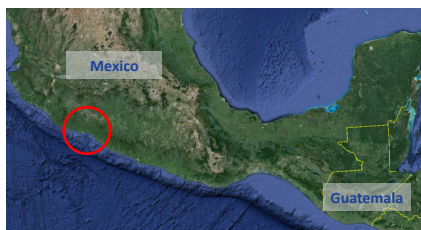
mageba products:

Type: TENSA®GRIP Type RS-B single gap joints and TENSA®RSFD cantilever finger joints
Installation: 2013–2014

Structure:

State: Michoacán
Country: Mexico
Type: Various highway bridges
Client: Grupo Concesa S.A. de C.V.

The highway connects the cities of Morelia and Lázaro Cárdenas in southern Mexico



An installed TENSA®RSFD cantilever finger joint prior to placing of asphalt road surfacing



Representation of a TENSA®GRIP Type RS-B single gap joint

