

Nipigon River Bridge (Canada)



Project description

Upon completion in 2017, the \$106-million Nipigon River Bridge will be the first cable-stayed bridge of its kind on the Ontario highway system. The 252 meters (827 feet) bridge will consist of three towers with cables supporting the bridge deck and a separate sidewalk for pedestrians. Nipigon River is renowned for its brook trout and the bridge is located directly in a spawning area, presenting environmental challenges.

mageba scope

mageba will deliver all expansion joints for this bridge. This includes a 37 meter long TENSA®FINGER GF sliding finger joint accommodating both vertical (20 mm) and longitudinal (160 mm) displacements.

mageba will also provide a TENSA®FINGER RSFD cantilever finger joint which will allow a 160 mm longitudinal displacements.

Highlights & Facts

mageba products:

Type: TENSA®FINGER joints of Type GF (sliding) and Type RSFD (cantilever)

Features: Vertical movements allowed

Installation: 2017

Structure:

City: Town of Nipigon, Ontario

Country: Canada

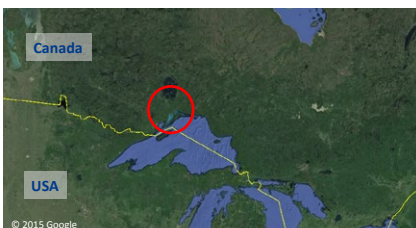
Completed: 2017

Type: Cable stayed bridge

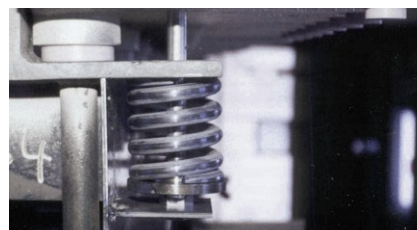
Length: 252 meters (827 feet)

Builder: Bot Ferroviario Nipigon Joint

Nipigon, Ontario – Canada



Spring Sytem TENSA®FINGER GF allowing vertical movements



TENSA®FINGER RSFD cross-section

