

## SECOND LEVEL OF THE MEXICO-PUEBLA HIGHWAY

Mexico



### General contractor

Pinfra / OHL

### Customer/Owner

Ministry of Public Works

### Engineer

EuroEstudios

### Freyssinet subsidiary

Freyssinet Products Company Italia S.p.A

### Others subsidiaries

Freyssinet de Mexico

### Works period

Start date: May 2015

End date: December 2017



### PROJECT DESCRIPTION

FPC ITALIA, in cooperation with Freyssinet de Mexico, supplied all the rubber-lead isolators to the Mexican company PINFRA and the complete supply of all the seismic joints both to the Mexican company PINFRA and to the Spanish OHL for the construction of the Second Level over the Mexico-Puebla highway. The viaduct, consisting of a series of single deck supported by two prefabricated concrete beams, is approx. 14 km long, and piers height from 7 to 19 m, with 4 carriageways for each track road. This job further increases the development of the industrial and commercial area of the centre and south, south-east of the Country. More than one million and a half persons of the Puebla, Veracruz, Tabasco, Tlaxcala, Chiapas, Oaxaca and of the Federal District areas benefit from the realization of this work.

The supply consisted in 676 isolators type LRB of 760 mm and 700 mm diameter, no. 48 high damping rubber bearings for the Ramps and of 2050 meters of seismic joint type SFX700/320 together with all the related materials for the installation carried out by Freyssinet de Mexico. The

### FREYSSINET MISSION

The isolators and joints have been inspected by a specialized technician of FPC ITALIA technical dept. after the earthquake occurred on Sept. 19th, 2017 in Puebla area with 7.1 magnitude on Richter scale. No defects have been detected during the inspection, so the response to the earthquake of the LRB has been in accordance with the design, showing an excellent seismic behavior. The joints as well, behaved in such a way that the use of the viaduct was granted in order to reach the most damaged locations of the region for the rescue operations.

