



Description:

The Ayala Bridge is a steel truss bridge over the Pasig River in Manila, Philippines. It connects the districts of Ermita and San Miguel, passing over the western tip of Isla de Convalecencia. Ayala Bridge was closed to the public in early 2015 to undergo rehabilitation and structural repairs to ensure structural integrity. Freyssinet done the repairs and raised the bridge by 70 centimeters, enabling it to withstand a 7.2 magnitude earthquake. It was reopened to the motorists on November 2015.

Client : Department of Public Works and Highways

Subsidiary : Freyssinet International Manila, Inc.

Date Started : 2/2015

Date Finished: 11/2015

Freyssinet's Scope:

Freyssinet designed and supplied portal frames that will be able to lift the bridge via specialized strand jacks. After the bridge was raised to its required position, Freyssinet performed the rehabilitation of the structure which includes the installation of High Damping Rubber Bearings (HDRB), seismic dampers, additional prestressing, among others. By doing these, the Ayala bridge is probably one of the most equipped structure in the country which will be able to withstand significant traffic and seismic loadings.