

On Pier 1 of Al Garhoud Bridge in Dubai, PTFE layer sheets on guided pot bearing type D* were damaged and had to be replaced. Due to the fact that PTFE sheets are creeping in longitudinal guided pot bearing on the Pier 1 east side, repairing work was performed in one pier only and structure was lifted only from that pier.

Freyssinet was appointed for design, supply and execution of bridge jacking works and replacement of damaged PTFE sheets (1000mm Ø, 4.5mm thickness) by means of 36 nos. of 520 tons capacity of hydraulic jacks.

The full activity on site was completed within 5 days, without any interruption of the heavy traffic, respecting the project health and safety requirements.

Repairs

Bridge Jacking Works for Replacement of damaged PTFE Sheets

Al Garhoud Bridge
Dubai - UAE



Client:

Roads and Transport Authority-RTA

Consultant:

Halcrow

Contractor:

BeSix Construct

Execution:

July 2015