

This 1.5km long bridge has a main span of 200 m across a shipping passage. With 10 lanes, 5 in each direction, and capacity for 2 future light rail lines. The bridge is one of the biggest in Middle East.

Freyssinet Scope includes Post-Tensioning Works - Supply of Materials, Installation, Stressing and Grouting Operations. It also included supply of 159 Tetron CD Mechanical Pot Bearings & 300 lm of Expansion Joints – Multiflex and WP

However, during the hand-over inspection of the completed project by the Main Contractor to the Client, one of the mechanical pot bearings at the abutment was found to be misaligned.

The Main Contractor has opted to have the supplier to do the installation of the latter to ensure the integrity of the structure during the entire replacement operation and hence refrain the recurrence of same & related problems.

Freyssinet has successfully completed the replacement operation that includes the lifting of the bridge using 8 jacks, each with 260-tons capacity without traffic obstruction in only 3 days.

## Repairs

### Replacement of Mechanical Pot Bearing

Khalifa Bridge,  
Abu Dhabi - UAE



#### Client

T.D.I.C

#### Consultant

Parson International LLC

#### Contractor

Ed. Züblin AG

#### Construction

April 2011