

The 1.5-km-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 largest in the Middle East.

Central spans were constructed using the cast-in-place balanced cantilever segmental concrete construction method. The Abu Dhabi approach was built using the incremental launching method. The Saadiyat island approaches were cast-in-place on scaffolding.

Total PT Tonnage was 3690T of 15.7mm strands.

Freyssinet Scope was supervision of Post-Tensioning installation, Stressing and Grouting Operations. Supply of Material and Equipment included a large range of Anchorages: 4F15 for the top slab, 12/13C15, 15C15 and 19C15.

Freyssinet also supplied Bearings and Joints for Khalifa bridge. Total of 159 TETRON CD Mechanical Pot Bearings and more than 300lm of Expansion Joints: Muliflex and WP.

New structures

Khalifa Bridge

Abu Dhabi - UAE



Client

TDIC

Consultant

Parsons International

Contractor

Zublin-Saif Bin Darwish JV

Construction

Jun 2007 – Oct 2009