

Sultan Abdul Halim Muadzam Shah Bridge (2nd Penang Crossing)

CLIENT: Government of Malaysia

LOCATION: Malaysia

YEAR OF COMPLETION: 2012

The Penang Second Bridge Project in Malaysia consists of 24km total length of dual carriageway highway comprising a 16.5km bridge extending between Penang Island and the mainland plus interchanges connecting to the existing road networks at either end. The main element of the crossing is the 550m long main bridge and the 15km approach viaducts.

We were appointed on behalf of the Malaysian Government to undertake a review of the technical proposals for the bridgeworks submitted by the project contractor. We produced a number of preliminary analyses of the main and approach bridges in order to estimate the material quantities for costing by a local consultant. At the Government's request we also developed a number of conceptual designs for a cable stayed main bridge.

KEY FACTS:

- Detailed design
- Driven tubular steel piles
- Post-tensioned in situ concrete voided slab

