

TKO Southern Footbridge

CLIENT: China Road and Bridge Corporation

LOCATION: Hong Kong

YEAR OF COMPLETION: Ongoing

TKO Southern Footbridge features a 100m main span arch with asymmetrical hanger configuration and double-curved deck. It spans across the Eastern Channel to provide the enhanced pedestrian linkage for the TKO area.

Hewson Consulting are appointed by the Main Contractor as their Designer to provide both the design and erection engineering services on this project.

We undertake the detailed design for the foundations of the arch bridge and the associated access ramps which are connected to the coastal footpath.

We provide the full erection engineering services for the steel arch bridge and side spans, covering their entire off-site assembly, marine transportation and on-site lift-in erection process.

Our services on the project also include the creation of the 'Digital Twin' by using BIM to simulate the construction method and sequence as well as carrying out the clash analysis.

KEY FACTS:

- Detailed design
- Erection engineering
- BIM and Digital Design

