

Central Kowloon Route – Central Tunnel

CLIENT: Bouygues Travaux Publics

LOCATION: Hong Kong

YEAR OF COMPLETION: Ongoing

The Central Tunnel Contract forms a crucial part of the Central Kowloon Route. It involves approximately 2.8km-long dual 3-lane tunnel between Yau Ma Tei and Ma Tau Kok. The construction will be carried out from a number of designated access shafts located at Yau Ma Tei, Ma Tau Kok and Ho Man Tin.

A key focus of the project during the construction phase is to minimise potential disruptions on the densely populated areas in central Kowloon. As a result, various mitigation measures are implemented to control the dust, noise and vibration effects arising from the tunnel construction activities including the drill and blast works.

Hewson Consulting have been appointed by the main contractor to provide detailed design and erection methodology for the temporary noise enclosure at Ma Tau Kok, which is a 50m long x 32m wide x 16m high steel frame structure. We also provide the structural review and modification design on the existing working platform at the ELS of access shaft.

KEY FACTS:

- Temporary works design
- Noise enclosure structure
- Modification design of ELS
- Temporary steel working platform

