

Tauranga Harbour Link Stage II

Client

Fletcher Construction.

Project

The Tauranga Harbour Link Stage II project involved construction of a duplicate bridge adjacent to the existing harbour crossing and an elevated expressway connecting the crossings to the existing expressway.

The project includes the 470 m incrementally launched harbour bridge and the 600 m elevated viaduct. Ground conditions for the project include deep soils with significant liquefaction potential. Tonkin & Taylor has provided highly innovative cutting edge design as part of the design build team. This has included the application of numerous technologies new to New Zealand such as piling under bentonite slurry.

T&T also implemented design solutions that are state of the art internationally including vertical drains and raked timber piles for liquefaction mitigation.

Services provided

- Coastal protection and reclamation design
- Stormwater network design
- Stormwater treatment design
- Geotechnical interpretation of existing and new investigation data

- Pile design
- MSE retaining wall design
- Liquefaction assessment
- Embankment design
- Design of liquefaction mitigation systems
- Test pile design and analysis.



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