



Tonkin & Taylor

Tauranga Harbour Link Stage II - Stormwater

Client

Fletcher Construction.

Project

The Tauranga Harbour Link Stage II project involves construction of a duplicate bridge adjacent to the existing harbour bridge and a 600 m elevated expressway connecting the crossings to the existing roads.

Tonkin & Taylor provided stormwater design and management for the 3.8 km expressway project. The stormwater was designed to meet the stringent safety and environmental requirements of the project. It included the collection, treatment and discharge of stormwater into the harbour through both existing and newly consented outfalls. The project site is very low lying and particularly sensitive to climate change effects, so the stormwater was designed to allowed for future sea levels and rainfall intensities.

Apart from the stormwater design component of the project, T&T also provided coastal protection, reclamation design and innovative geotechnical design and support.

Services provided

- Stormwater design management
- Carriageway surface drainage design for road safety
- Design of 4 km of pipe network on elevated structures and in-ground
- Upgrading existing stormwater networks

- 12d drainage modelling of new stormwater pipe networks in areas heavily congested with existing services
- Implementation of four major proprietary stormwater treatment devices
- Implementation of catchpit filters along regraded areas of the existing expressways
- Outfall design and coastal protection
- Overland flow path design
- Swale design
- Stormwater construction support.



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