



Tonkin & Taylor

Manukau Harbour Crossing, Auckland

Client

Transit New Zealand.

Project

The scheme provides for the widening of the existing State Highway 20 between Walmsley Road and Queenstown Road. The project involves modification and rebuilding of several existing motorway bridges, foot bridges and the construction of a duplicate bridge over the Manukau Harbour. A new interchange will also be constructed at Gloucester Park. Significant environmental design and construction constraints have dictated that a low level embankment constructed with ultra light weight polystyrene fill will be required for the new carriageways crossing the unfilled crater within the Hopua Tuff ring.

Services provided

- Geotechnical investigations
- Interpretive reporting
- Development of specimen design including:
 - Bridge foundations
 - Retaining structures
 - Lightweight polystyrene embankments
 - Hydrology and drainage design
 - Environmental planning and resource consents
 - Pavement design.



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