

1 MacKays to Peka Peka Expressway

Te Moana Road interchange

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At Te Moana Road there will be an interchange that provides access to the expressway for Waikanae. The expressway will cross over Te Moana Road. Near the bridge, Te Moana Road will need to be widened to accommodate roundabouts which will manage traffic flow to and from the on and off ramps.

The cycle/walk paths will be positioned to make crossing the on and off ramps safe and to give access to existing paths on Te Moana Road. Provision for horse riding will also be made.

Mitigation considerations

- The visual appearance of the interchange bridge to people using Te Moana Road is important.
- The garden suburb character of Waikanae will be represented through formal exotic specimen tree planting.
- The need to integrate the interchange bridge design with on and off ramps and the local space is recognised. Trees, plants, and lighting will be designed in a way that is sensitive to the environment and semi-rural area between Waikanae town and beach communities.
- The future form of Te Moana Road itself in terms of footpaths, cycleways, signs, lanes, crossings, trees and other amenity influences will recognise the importance of this east-west connection to the community.
- The sustainable management of stormwater and existing floodable land recognises that the expressway will generate water runoff, and that the area is an overland floodway in the event of the Waikanae River breaching its banks.



Indicative aerial view of the Te Moana Road expressway interchange. The shared cycle/walk path can be seen crossing from the east to the west (right) side - before mitigation work.



Indicative street level view looking west on Te Moana Road - before mitigation work.



Indicative street level view looking east on Te Moana Road - before mitigation work.



The indicative design for the area around the interchange will consider the architecture of the bridge, the landscape design of the ground around the structure and the way in which people move around and experience the bridge from below. The design aims to utilise the large areas of space between on and off ramps for dense planting and exotic trees to reflect the garden suburb character of Waikanae. This interchange is also a key 'gateway' point for expressway users and the way this is experienced by these users will be considered. The open land on the east side of the expressway provides for overland flood flows.

KEY	
(A) Wetland stormwater area	(F) Shared cycle/walk path
(B) Stream planting	(G) Exotic tree area
(C) Dense planting on embankment	(H) Noise barrier on bridge edge
(D) Dense planting on bund	(I) Swale (channel)
(E) Open grassed areas	(J) Floodpath



Indicative cross section through the Te Moana Road area.