



1 Aerial view of the causeway and sections of bridge. 2 Traditional motor traffic along the causeway. 3 A long view of the causeway bridge and surrounding landscape.

CAUSEWAY ALLIANCE

The Causeway Alliance (Jacobs, AECOM, CPB Contractors, Fulton Hogan, and Coffey International) for NZ Transport Agency

Project Location: Auckland



The Causeway Alliance is made up of NZTA, Fulton Hogan, CPB Contractors, AECOM, Coffey, Jacobs, and the NZ Transport Agency, bringing together specialist skills in a range of safety, engineering, design, construction, environmental protection, management, commercial and support disciplines.

The Causeway Alliance was appointed by the NZTA to deliver the SH16 Causeway Upgrade Project on behalf of the New Zealand Government, and approved by a Board of Inquiry (BoI) in June 2011. The detailed design resulted in a number of innovations and refinements to the SH16 Causeway Upgrade design, necessitating changes to the statutory approvals for the project. The alliance model is being increasingly used to successfully deliver innovative solutions for complex projects with time and cost certainty. This success continues to engage investors in large scale infrastructure and capital projects here in New Zealand; leading to greater diversification in project delivery methods.

Lincoln to Westgate (geographically St Lukes) forms the final section of Auckland's Western Ring Route (WRR), one of the government's Roads of National Significance. The WRR is now providing an alternative motorway route across the Auckland Region, improving travel time reliability, public transport, walking and cycling provisions, and enabling people and freight to move across the region more efficiently.

The SH16 Causeway Upgrade Project involved raising the motorway by 1.5-2.4 metres to prevent flooding and widening it to provide additional capacity and bus shoulder lanes in both directions. The cycleway alongside the motorway was also raised, widened and upgraded. A key consideration of the project was the Motu Manawa - Pollen Island Marine Reserve which runs alongside the work. Much of the coastal environment was identified as a Coastal Protection Area in the Auckland Regional Plan: Coastal (2004) and located within the Motu Manawa Pollen Island Marine Reserve (MMPIMR), which contains unique marine and intertidal habitat and supports a number of threatened bird species.

The key features of the project include an increase in the capacity of the SH16 motorway, upgrades to the existing Causeway Bridge and Whau River Bridge, provisions for improved public transport options in the future, flexible consent conditions and the first RoNS project approved by a BoI.

Judging & Copyright Statement

This project is an entrant in the 2016 INNOVATE NZ Awards of Excellence competition. The winners will be celebrated at our Awards Gala Dinner on Saturday, 12th August 2017 in Taupo.

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