



1 Memorial Avenue Gateway Structure. 2 Arch Construction. 3 Harewood Underpass.

SH1 RUSSELY ROAD UPGRADE

AECOM for NZ Transport Agency

Project Location: Christchurch



The SH1 Russley Road Upgrade was a complex project, which provided an exciting design challenge to AECOM, around one of the busiest intersections on the state highway. The resultant 4 lane highway, bridges and structures have provided a great outcome to our client, the NZ Transport Agency, to the people of Christchurch, and to the passing traveller.

The stunning Memorial Avenue Gateway arches and bridge, and Harewood Road pedestrian and cycle underpass, are excellent examples of the application of good urban design and considered aesthetic detailing on a state highway project.

The complexity of design and construction of these structures in a live traffic environment was a key focus for the team. The resultant temporary and permanent design solutions kept traffic, pedestrians and cyclists moving safely and efficiently during construction.

Innovation in traffic management solutions, value engineering design solutions and risk management, coupled with effective communications and stakeholder buy in, meant that the project was completed eight months ahead of schedule and very close to the original budget.

The project has achieved its purpose of reducing congestion, improving travel times, improving safety and improving the visual impact of the road corridor through the western corridor.

The success of this project was down to a team effort and the excellent collaboration between the client (NZ Transport Agency), Principal's Advisor (AECOM), and the JV Contractor (McConnell Dowell/Downer) and their designer (URS, now AECOM) under an ECI contract model.

Judging & Copyright Statement

This project is an entrant in the 2018 INNOVATE NZ Awards of Excellence competition. The winners will be celebrated at our Awards Gala Dinner on Friday, 3rd August 2018 in Hamilton.

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