

ABSTRACT SUBMISSION FORM

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Presentation title:	Avon River Precinct: Shared Zones for Christchurch
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Overview of Presentation

The Avon River Precinct project is one of the most influential of the Christchurch Anchor projects on the transportation design on the new city. The project includes the meandering Avon River which intersects with several of the central city streets and Oxford Terrace on the true right river bank.

The project involved stronger, smarter and safer aspects. A major design challenge of the project was the introduction of multiple shared zones which will transform the way pedestrians, cyclists, private vehicles, emergency services, goods vehicles and the heritage tram interact producing a communal public realm space with safe universal access for all. To enable this to function safely it required the alteration of bylaws, a complex traffic signage strategy and high quality urban design. The traffic signal design including toucan crossings, pedestrian detection and radar detection of the tram, which will reduce the prioritisation of private vehicles.

As the lead Transportation Engineer on the project through Concept Design, Developed Design and Detailed Design I have a unique insight into the design challenges and solutions of integrating the project into the wider transportation network. The paper will document the innovation that has gone into producing a safe environment for all and a 'strong' design that will provide a legacy for future generations of Cantabrians.