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1 Bridge meets offramp (Courtesy of Hawkins). 2 Aerial of Skycity (Courtesy of Hawkins) 3 Piers 5 & 6 Under bridge (Courtesy of Novare). 4 Offramp at night (Courtesy of Hawkins) 5 Span 2 over motorway (Courtesy of Novare)

## Nelson Street Cycleway (Te Ara I Whiti Lightpath)

**Project Location:** Morrinsville, Auckland

**GHD & Novare for NZ Transport Agency**

**Disciplines:** Transport, Civil, Structural, Geotechnical, Electrical, Project Management, Contract Administration, Architecture



The Nelson Street Cycleway and Canada Street Cycle Bridge is a spectacular response to the New Zealand's Transport Agency's vision of world class cycling infrastructure in each major town and city in New Zealand. It is located in the Central Motorway Junction, the country's busiest and most complicated section of highway infrastructure.

From concept to completion the project only took 14 months, costing \$11.9 million. GHD undertook design and construction supervision, while partners Novare Design with architects Monk Mackenzie completed the Canada Street Bridge design.

GHD completed an options report reassessment, detailed design, tender documentation, tender evaluation and overall project monitoring surveillance and quality assurance (MSQA). Novare completed the bridge scheme options; detailed design and construction project support for the Canada Street Bridge, and Monk Mackenzie were the overall project architects (Canada Street Bridge and the Cycleway).

The success of a project of this scale lay in the clear objectives: to be functional, elegant, economical, buildable, requiring low maintenance in the shortest possible timeframe. This demanded innovative thinking, high-level collaboration, and cutting edge structural analysis and design expertise. An enduring solution driven attitude was essential.

This attitude transformed a redundant offramp into a beautiful urban space, adding new character to the Junction. This reflects the project team's shared vision for a safe, economic and attractive alternative route, connecting nearby cycleways and city paths.

This initiative received considerable local and international acclaim, a benchmark for future cycling facilities. To the design teams' knowledge, this is the only triangular shaped orthotropic curved bridge and perhaps only magenta surfaced cycleway in the world.

The project has won several local and international architecture and has featured in two magazines. *"The cycleway is a Jewel in the Auckland crown, in fact more than that, it is the most ambitious cycle project ever to open"* ~ Hon. Simon Bridges, Minister of Transport.

### Judging & Copyright Statement

This project is a Finalist entry in the 2015 INNOVATE NZ Awards of Excellence competition. The winners will be announced on Saturday 1 August, 2015.

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