GO BETWEEN BRIDGE (HALE STREET LINK)

OVERVIEW

The Go Between Bridge in Brisbane was a significant inner-city infrastructure project that formed a key component of Brisbane City Council's long term transport objectives, to offer relief to existing bridge crossings and improve accessibility for motorists, public transport, pedestrians and cyclists. The project was delivered by the Hale Street Link Alliance, made up of three construction partners, Seymour Whyte, Macmahon Constructions and leading bridge builder Bouygues Travaux Publics in an alliance with designers Hyder Consulting and the principal Brisbane City Council.

The project included a four-lane cross-river bridge designed to increase accessibility to and from some of Brisbane's most popular recreational, cultural, educational and residential precincts either side of the Brisbane River. The 300 metre long, three span, two pier, concrete balanced cantilever bridge was the first inner-city vehicular bridge constructed in Brisbane since 1972.

The project also featured a two-lane viaduct on Coronation Drive over the Hale Street intersection on the north side, significant roadworks including at-grade signalised intersections on both sides of the River, dedicated pedestrian and cycle ways including full equitable access, toll collection systems and equipment, landscaping works and environmental works, and improvements and alterations to utility services.

The inner-city location and large peak hour traffic volumes presented the design and construction team with significant challenges which were all addressed with minimal impact to local businesses and traffic flows. Innovative designs, detailed planning and traffic management, combined with extensive community and stakeholder consultation, ensured significant changes to traffic movements were undertaken smoothly and temporary measures employed with minimal disruption.

To satisfy the wide community interest generated by this project community liaison groups were established and timely and relevant information provided by the Visitors' Centre, web sites, regular newsletters and innovative SMS communications.

PROJECT SCOPE

- Construction of 300 metre long, three span, two pier, concrete balanced cantilever bridge
- Complex traffic management in constrained, busy urban corridor
- Extensive community and stakeholder consultation
- Bulk earthworks in order of 129,000m³
- 14,810 tonne of asphalt
- 1,556 metres of drainage
- 5 signalised intersections
- 2,500m of underground street light conductors, 800m of traffic signal conduits, and 400m of 12 bank conduits and 700m communications cables
- 950m of watermain installed, 200m of 600 high pressure sewer raising main
- Dedicated pedestrian and cyclist path, including 300m of upgrade riverside bikeway complete with 6.5m wide paths
- Significant urban and landscape design component

PROJECT HIGHLIGHTS

- The Coronation Drive overpass was delivered two months ahead of schedule in December 2009. The Go Between Bridge was also delivered ahead of schedule and $42 million under budget in June 2010.
- Construction of an innovative pipe pile wall - thought to be the first of its kind in Australia - to overcome major geotechnical instability and facilitate construction.
- Project received ‘exceptional’ performance against community and stakeholder engagement KRA’s. An outstanding achievement given the poor public perception towards the project, negative media and community protests during initial stages of planning and construction.
- Successfully relocated six trees during construction including two jacaranda and four fig species. The trees measured between 10m and 15m tall and weighed up to 60 tonne.

CLIENT
Brisbane City Council

LOCATION
Brisbane, Queensland

TYPE OF CONTRACT
Alliance - Hale Street Link Alliance
(Seymour Whyte, Bouygues Travaux Publics, and Macmahons)

VALUE
PROJECT $370 million
SWC SHARE $122 million (33%)

CONSTRUCTION PERIOD
June 2007 - June 2010
36 months