



Location	Brisbane, Qld
Client	Brisbane City Council
Role	O&M Contractor
Scale	\$6m
Timing	2002 - 2022



The challenge

The project provides a much needed east to west bypass of the Brisbane CBD and is owned and operated by Brisbane City Council.

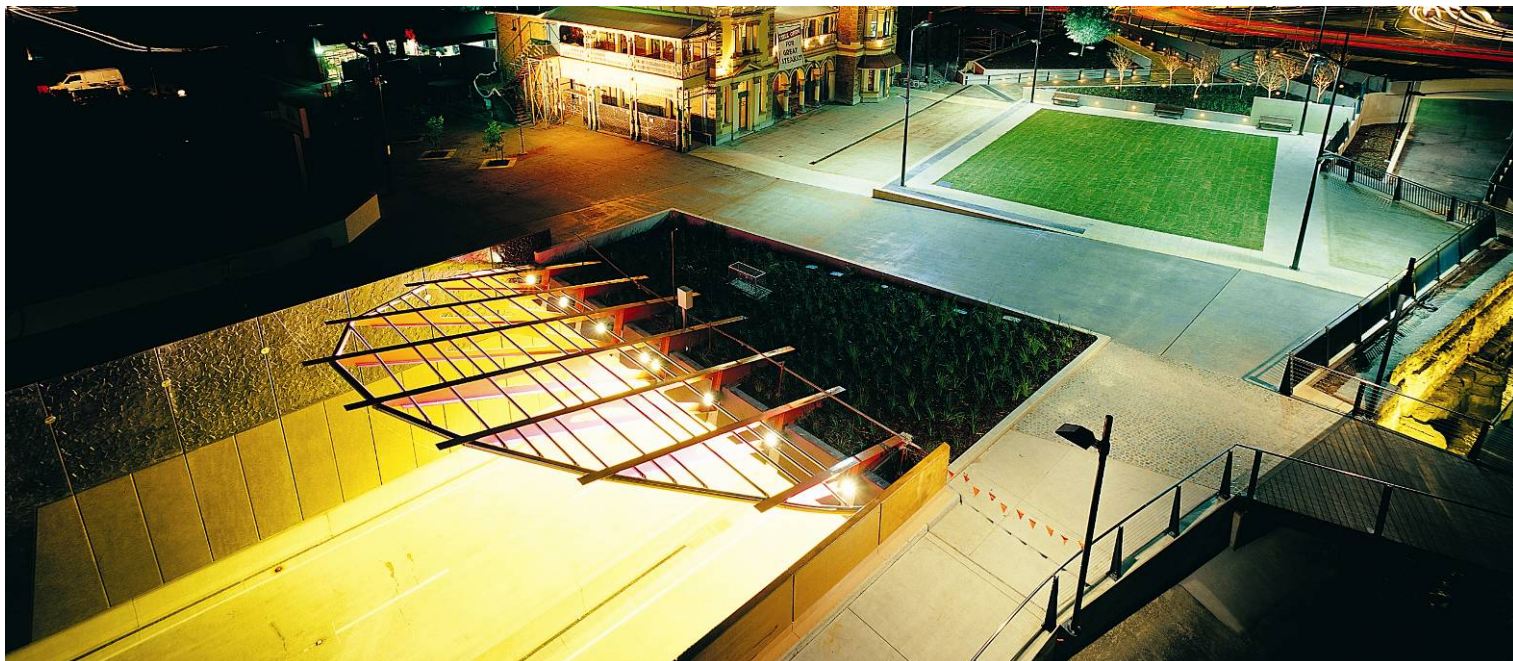
It is approximately 4.5 km long, with divided carriageways.

There are eleven bridges carrying traffic, one tunnel (450 metres long), two underpasses (90m and 50m long) and three pedestrian bridges, one of which (the Landbridge) is fully landscaped and tapers from a width of 45 metres to 20 metres, over a span of 100 metres. Leighton Investment and Facility Management (LIFM) maintains everything on the project – tunnels, bridges, pavements right down to the last blade of grass.

With Brisbane City Council undertaking the operations for the bypass, and LIFM delivering the maintenance services for the asset, it is critical that a strong relationship exist between the two service elements. This is particularly important in the instance of incident response, where LIFM needs to respond effectively to operational response requirements to ensure the asset can remain safely open to traffic as much as possible.

Innovation

The single most significant innovation (with respect to reducing maintenance costs) was the design and construction of a highly specified Cement Treated Base layer of the pavement. A field trial of 100 metres by 3 lanes wide was constructed to prove the technique.



This whole of life approach to pavement design has paid off, with minimal pavement maintenance required since construction, despite unexpectedly high traffic and heavy vehicle volumes on the asset.

Budget

To date, the project has operated well within its set budget. One of the reasons for this was the decision to undertake maintenance works through a number of subcontractors, rather than by a direct control work force, as specialist crews needed for the varied types of maintenance works could not be utilised full time on this project.

Quality

The maintenance contract and Leighton's own management systems and standards require ongoing auditing and adherence with ISO9001:2004, AS4801 & ISO14001. These are undertaken to ensure the ongoing highest level of performance from this long term operational project.

Safety

Safety is our Number One priority.

There has been no Lost Time Injury during seven and a half years of maintenance works on the project.

We are currently starting to involve our subcontractors in Leighton Contractors "Culture Change" program relating to Safety, Health and the Environment.

Stakeholder Management

The bypass is operated by the Brisbane City Council, and as part of improving the integration of maintenance services with the operations we are working with the client to review Standard Operating Procedures, to better describe the operation interface with our maintenance team.

Programme

Although not required contractually, a GPS-linked computer based inspection system was developed for the project. Additionally, we are currently in the process of setting up a customised Asset Management Database, to provide further "Value Adding", as part of our ongoing commitment to best practice service delivery.

Referees

Wayne Ralph

Superintendent's Representative, Brisbane City Council

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