



Location	Brisbane, Qld
Client	Queensland Motorways
Role	O&M Contractor
Scale	\$1.3bn (D&C) \$80m (O&M)
Timing	2006 – 2032



## The challenge

In 2006 Leighton Contractors and Abigroup entered into a joint venture to duplicate Brisbane’s Gateway Bridge and 20km of associated motorway on behalf of Queensland Motorways Limited. During the 4.5 years of construction and 10 years after construction completion, Gateway Motorway Services (a Leighton Investment and Facility Management (LIFM) / Bilfinger Berger Services joint venture company) is contracted to undertake all maintenance responsibilities on the existing and newly constructed assets.

Being a substantially aged asset, the existing Gateway Motorway has required significant rehabilitation works to bridge and pavement elements to be delivered to retain serviceability.

Coupled with this, the motorway carries over 100,000 vehicles per day in a space restricted, high speed environment, which creates a challenging operating environment for the maintenance team.

Specific challenges in maintaining the motorway have been in undertaking detailed structural inspections on the 1.6km, 80m high Gateway Bridge, pavement renewal treatment selections to fulfil specific service, maintenance cost and life span requirements of this unique maintenance project.



### **Innovation**

As part of LIFM's Asset Management system, GPS enabled mobile field inspection units are used to perform daily safety inspections, collecting co-ordinate locations and defect information without the need to leave their vehicle, and enter a high speed traffic environment on foot. Information is collated in the Asset Management system, mapped and issued for rectification under a traffic controlled environment.

### **Budget**

The project is managed within an alliance style framework between LIFM / Bilfinger Berger Services and the Leighton Contractors / Abigroup D&C joint venture. This has seen wins for both parties thus far in the delivery of the maintenance works on the project for Queensland Motorways Limited.

### **Quality**

The overall contract for construction & maintenance requires ongoing auditing and adherence with ISO9001:2004, AS4801 & ISO14001. Independent verification of all project deliverables and performance is undertaken by SKM on a full time basis.

### **Safety**

Being a space restricted, high speed environment, safety on the project is paramount, and at the forefront of our maintenance staff's minds at all times.

Robust safety management systems and procedures are developed and utilised for all activities on the project.

### **Stakeholder Management**

The project manages community involvement proactively through Community Liaison Group meetings open to the public, consultation processes and accessibility via the project community information centre.

### **Programme**

As a critical transport link for the state of Queensland, the Gateway Motorway has unique programming and planning challenges in delivering rehabilitation works in a manner which allows traffic to continue to flow and keep this transport link open at all times.

Coupled with this, maintenance is co-ordinated as far as possible with the construction team to deliver further efficiencies and reduce network impact generated from the project.

### **Referees**

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