



## LOGAN ENHANCEMENT PROJECT

APRIL 2017

### Project approved

In late 2016 the Queensland Government approved Transurban Queensland's \$512 million Logan Enhancement Project to proceed to detailed design and construction.

Assessed under the Market-Led Proposal framework, the Queensland Government determined the project offered a unique opportunity to unlock the potential of South East Queensland through improvements to network safety, efficiency and reliability, as well as future proofing this critical economic corridor.

CPB Contractors, a member of the CIMIC Group, was awarded the contract to design and construct the project. Detailed design and early works are now underway, with major construction to start in mid-2017 and be completed in 2019 (weather permitting).

## Feedback shapes design changes

Thank you to the more than 600 stakeholders and community members that provided feedback on the Logan Enhancement Project initial concept design throughout 2015–2016.

The following key changes to the design have been directly shaped by stakeholder and community feedback:

- replacing the uncontrolled right-hand turn from Beaudesert Road southbound to the Logan Motorway westbound with a free-flowing underpass, eliminating the need for traffic signals
- replacing the existing Mt Lindesay Highway northbound to Logan Motorway eastbound cloverleaf ramp arrangement with a free-flowing connecting ramp which removes up to 40% of traffic entering the interchange—this greatly improves the through northern movement along Mt Lindesay Highway/Beaudesert Road
- extending the scope at Wembley Road to include relocating both the Logan Motorway eastbound and westbound on and off-ramps, replacing the existing bridge with a four lane structure over the Logan Motorway and upgrading Wembley Road from Greenfern Drive to Pagewood Street to two lanes in each direction
- providing initiatives that will significantly improve environmental outcomes through the project, including new fauna crossings.

The final concept design will deliver greater benefits than the initial concept design, at a minor increase to the original project cost. More detail about the final concept design is available overleaf.

### FAST FACTS

**\$512 MILLION PROJECT**

**1,300 DIRECT CONSTRUCTION JOBS CREATED**

**MINIMISED TRAFFIC SIGNALS AT BEAUDESERT ROAD/ MT LINDESAY HIGHWAY INTERCHANGE**

**SIGNIFICANTLY REDUCED TRAVEL TIMES BY UP TO 88%**

**SAFER ROADS – 59% REDUCTION IN TRAFFIC ACCIDENTS**

**SIGNIFICANT ENVIRONMENTAL IMPROVEMENTS**

**HEATHWOOD SITE REDEVELOPED FOR COMMUNITY USE**

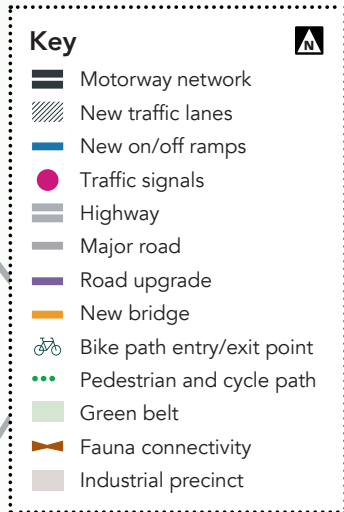
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# Key project features

## Logan Enhancement Project final concept design



- 1**
  - Replacing the uncontrolled right-hand turn from Beaudesert Road southbound to the Logan Motorway westbound with a free-flowing underpass
  - Removing the existing Mt Lindsey Highway northbound to Logan Motorway eastbound cloverleaf ramp and replacing it with a free flowing connecting ramp
  - Installing a set of traffic signals to safely control merging traffic between Beaudesert Road southbound and the Logan Motorway westbound service road
  - Extending the third lane along Mt Lindsey Highway southbound down to the Browns Plains Road off-ramp
- 2**
  - Providing a new shared pedestrian and cycle path along Beaudesert Road/Mt Lindsey Highway between Illaweena Street and Acacia Street
- 3**
  - Providing high-speed service roads to connect the Mt Lindsey Highway and Gateway Extension Motorway interchanges
  - Widening and upgrading the Logan Motorway between the Gateway Extension Motorway and Mt Lindsey Highway interchanges, to provide three lanes in the eastbound direction and four lanes in the westbound direction
- 4**
  - Widening the Gateway Extension Motorway from four lanes to six lanes between Compton Road and the Logan Motorway
- 5**
  - Providing new south-facing ramps at Compton Road to match the existing north-facing ramps
- 6**
  - Resurfacing sections of the Gateway Extension Motorway between Compton Road and the Pacific Motorway
  - Providing a centre median concrete barrier to improve safety
- 7**
  - Upgrading Wembley Road between Pagewood Street and Greenfern Drive to provide two lanes in each direction, including replacing the existing bridge over the Logan Motorway
  - Relocating the Logan Motorway eastbound and westbound on and off-ramps
  - Replacing the Wembley Road/Illaweena Street roundabout with a signalised intersection
- 8**
  - Widening and upgrading the Logan Motorway between the Gateway Extension Motorway and Wembley Road (to provide four lanes in each direction)





Image: Fauna crossing under Wembley Road

## Giving back

To celebrate the project and to create a lasting legacy for the community, Transurban Queensland will donate up to \$2 million to regenerate a large parcel of land along the Logan Motorway at Heathwood for community use.

We will work with various stakeholders, including elected representatives and community groups, to ensure the ultimate use of the site provides the best outcome.

This initiative forms part of Transurban Queensland's commitment to giving back to the communities in which we operate. More information about this initiative will be available soon on [loganenhancementproject.com.au](http://loganenhancementproject.com.au).

## A value-for-money project

The Logan Enhancement Project final concept design will deliver significantly greater benefits than the initial concept design, for a minor increase to the original project cost.

The project will be delivered at no cost to the Queensland Government. To pay for the project, toll points on the new south-facing Compton Road ramps will be installed to match those on the north-facing ramps, and the truck tolls on the Logan Motorway and Gateway Motorway will be increased.

The increases will take effect once construction is completed in 2019 and the benefits of the project start to be realised.

# Improved fauna connectivity

Transurban Queensland recognises the environmental significance of the bushland and wetlands within and surrounding the project corridor.

That's why an Environmental Reference Group (ERG) was formed to provide consolidated feedback on ways to improve environmental outcomes through the project.

As a result of this innovative process, the final concept design includes the following initiatives that will achieve this objective:

- new fauna crossings at Illaweena Street, Beaudesert Road and the Logan Motorway to enhance key fauna connectivity movements between Karawatha Forest and the Flinders Range
- fauna fencing to keep fauna off the motorway, including escape poles located generally every 400 metres
- landscaping to encourage and protect fauna movements
- roadside signage to increase driver awareness about the presence of fauna.

More information about the environmental features of the final concept design is available on [loganenhancementproject.com.au](http://loganenhancementproject.com.au).



## Changes to the Beaudesert Road/Mt Lindsay Highway interchange design

Throughout the Detailed Proposal Phase, community and stakeholders challenged Transurban Queensland to look for alternative solutions to improve safety and travel time reliability at the Beaudesert Road/Mt Lindsay Highway interchange.



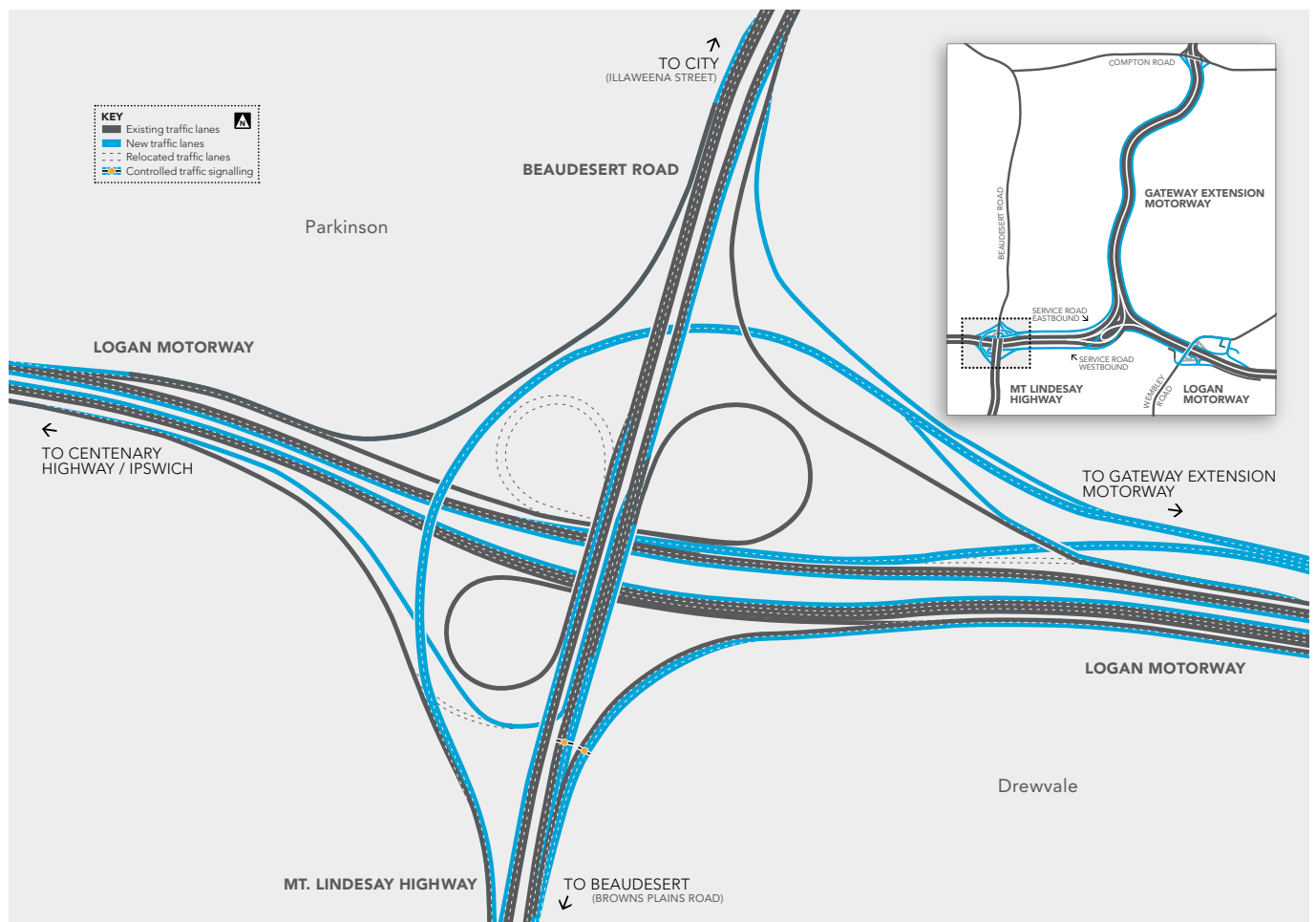
As a result of the consultation process, key changes have been made to the design at this interchange, including replacing the uncontrolled right-hand turn from Beaudesert Road southbound to the Logan Motorway westbound with a free-flowing underpass.

Image (above right): Existing design of the Beaudesert Road/Mt Lindsay Highway interchange with the Logan Motorway

Alternative solutions to installing traffic signals between Beaudesert Road southbound and the Logan Motorway westbound service road were thoroughly investigated. The close proximity of the service road to Trinity Way and the Brown Plains Road off-ramps, as well as the anticipated growth in traffic volumes, means that traffic signals are the appropriate engineering solution to ensure the safety of all road users.

### The design at this interchange will:

- resolve all traffic conflicts—changing lanes will be easier and traffic will flow, as opposed to stop/start
- remove up to 40% of the northbound traffic out of the interchange
- increase capacity—up to 70% in travel time savings will be gained
- improve safety and reliability—conflicts will be removed, which will reduce the risk of potential accidents.



## Changes to the Wembley Road interchange design

Community members and industry stakeholders alike supported the initial proposal to upgrade the Wembley Road interchange, but challenged Transurban Queensland to also look at duplicating the bridge over the Logan Motorway to provide two through lanes in each direction.



This feedback was used, and the scope for this interchange has been extended to include relocating both the Logan Motorway eastbound and westbound on and off-ramps, replacing the existing bridge over the Logan Motorway (two lanes in each direction) and upgrading Wembley Road to two through lanes in

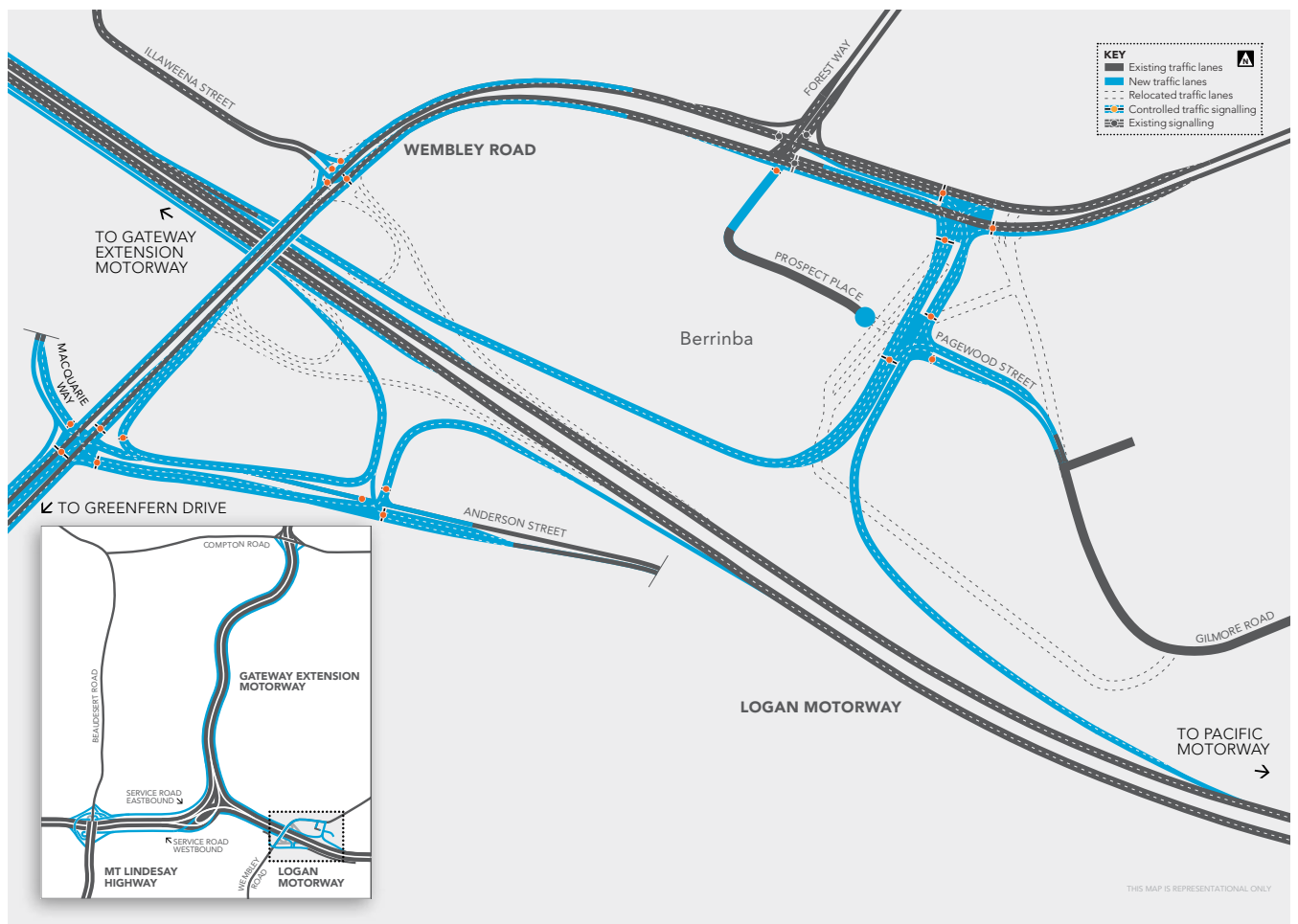
each direction between Greenfern Drive and Pagewood Street.

This design will address current constraints and accommodate growth in the area—particularly from the booming freight and logistics corridor along Wembley Road.

### The design at this interchange will:

- improve safety and reliability
- reduce overall travel times (up-to 88% reduction in the PM peak period) and the amount of traffic on local streets
- improve through capacity and reduce travel times along Wembley Road
- enhance connectivity to key residential and business areas.

Image (above right): Existing Wembley Road bridge over the Logan Motorway, which will be duplicated as part of the project





Detailed maps of the Logan Enhancement Project final concept design are available on [loganenhancementproject.com.au](http://loganenhancementproject.com.au).



## Early works now underway

CPB Contractors has commenced detailed design and preliminary works are currently being undertaken across the project corridor.

### Preliminary work activities include:

- geotechnical and road condition investigations
- surveying
- utility services survey and relocation
- cultural heritage and environmental investigations
- set-up of a project site office and other construction compounds.

Some night works and temporary traffic changes, including single lane night time closures on the Logan Motorway, Gateway Motorway, Mt Lindesay Highway/Beaudesert Road, Wembley Road and Compton Road are required as part of these works.

During these works, you may notice some changes around the project site such as construction vehicles, traffic management signs and personnel.

Transurban Queensland and CPB Contractors are committed to minimising impacts on residents, businesses and motorists where practical during construction activities.

Major construction is expected to begin in mid-2017.

## How to contact us

You can contact the project team via the channels below:

- Visit [loganenhancementproject.com.au](http://loganenhancementproject.com.au)—the one stop shop for all project news
- Call the project information line on **1800 195 308\***
- Email [contactus@loganenhancementproject.com.au](mailto:contactus@loganenhancementproject.com.au)

\*Free call anywhere in Australia. Call charges apply for mobile phones and pay phones—check with your service provider for call costs.

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## Keep up-to-date with project news

Simply email [contactus@loganenhancementproject.com.au](mailto:contactus@loganenhancementproject.com.au) with the word 'subscribe' in the subject line.

## Next steps

- ↑ **NOV 2015 – MAR 2016**
  - Initial concept layout released for comment
- MAR – JUN 2016**
  - Interactive tender process undertaken
- LATE 2016**
  - Queensland Government approves project to proceed
- Final concept design released
- EARLY 2017**
  - Detailed design and early works underway
- MID-2017 – 2019**
  - Major construction
- ↓

## Information display

The project team is holding two staffed information displays.

It's an opportunity for you to meet the project team and find out more information about the final concept design, early works activities and the construction program.

**Drop in anytime, no RSVP necessary.**

**Thursday 20 April 2017**  
4pm – 7pm

Logan West Library  
69 Grand Plaza Drive, Browns Plains

**Saturday 22 April 2017**  
9am – 12 noon

Logan Enhancement Project Site Office  
Unit 10, 50 Kellar Street, Berrinba