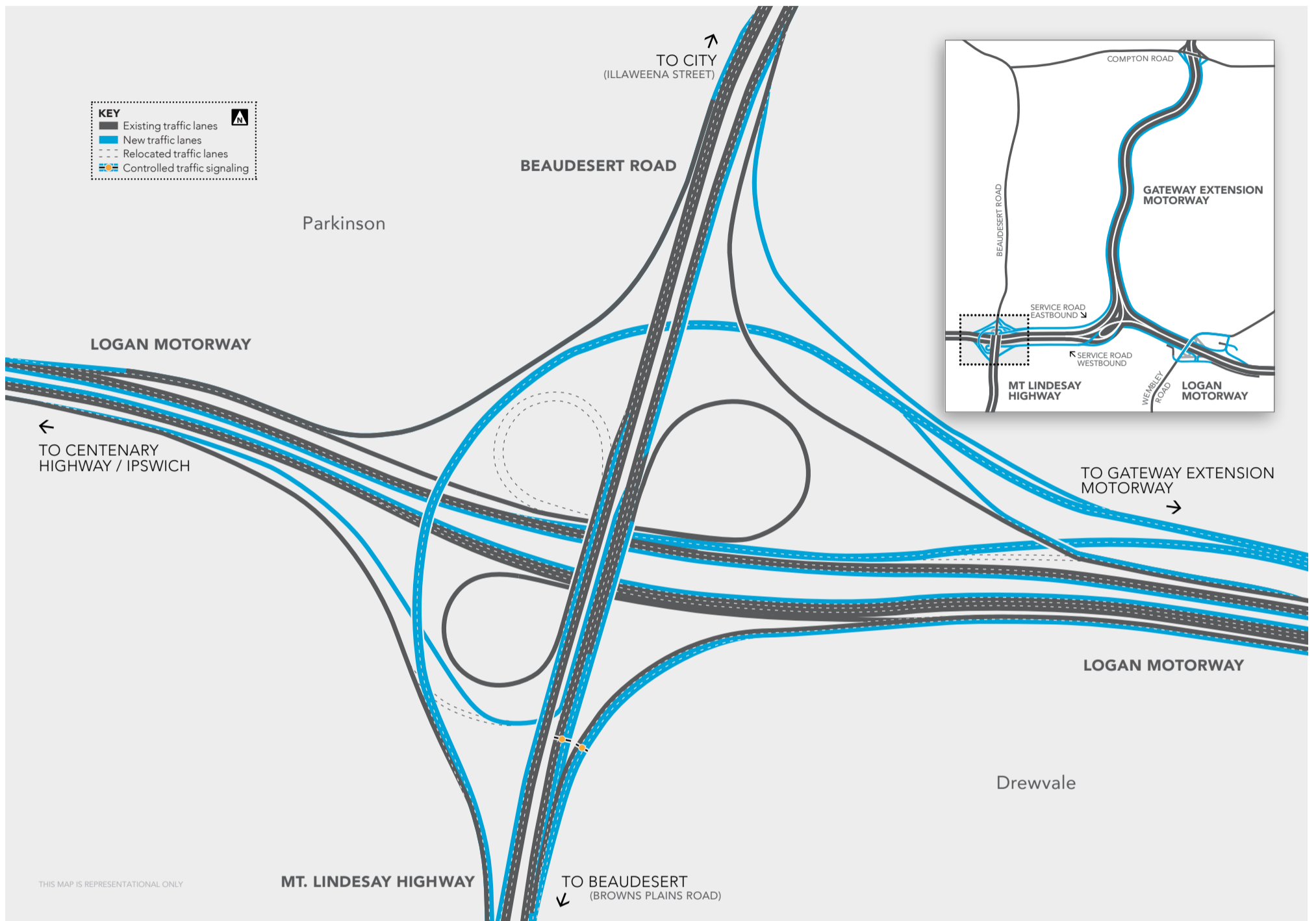


BEAUDESERT ROAD / MT LINDESAY HIGHWAY INTERCHANGE UPGRADES



Upgrades to the Beaudesert Road/Mt Lindesay Highway interchange are one of five main upgrade components in the Logan Enhancement Project.

The current interchange

The safety of motorists has become a key concern at the Mt Lindesay Highway/Beaudesert Road interchange for a number of reasons.

- The interchange is located in close proximity to other interchanges, including the Logan Motorway/Gateway Extension Motorway, on and off-ramps at Wembley Road, and Johnson Road/Browns Plains Road exits from the Mt Lindesay Highway. This causes a high number of traffic weaving and merging movements between motorists negotiating their way to many different destinations across a short space of road.
- This traffic weaving mixes high speed motorway traffic with traffic trying to enter/exit and merge at lower speeds.
- The high percentage of heavy vehicles compounds the safety concern of conflicting traffic movements.
- Congestion is leading to long traffic queues, particularly from the Logan Motorway off-ramp to the Mt Lindesay Highway, which again mixes high and low speed traffic.
- The current interchange cannot support demand, particularly as local development continues to grow.

The solution

The final concept design for this interchange will improve safety and reliability, reduce travel times, enhance connectivity to key residential and business areas, and future proof the network.

Community and stakeholder feedback has directly shaped the final concept design for this interchange:

- the existing right-hand turn from Beaudesert Road southbound to the Logan Motorway westbound has been replaced with a free-flowing underpass—removing the need for previously proposed traffic signals
- a designated free-flowing ramp for northbound Mt Lindesay Highway traffic to access the Logan Motorway and the Gateway Extension Motorway—removing the need for previously proposed traffic signals
- one set of traffic signals where the Mt Lindesay Highway southbound meets the westbound service road, to control weaving and merging.

Quick Facts

Traffic numbers:

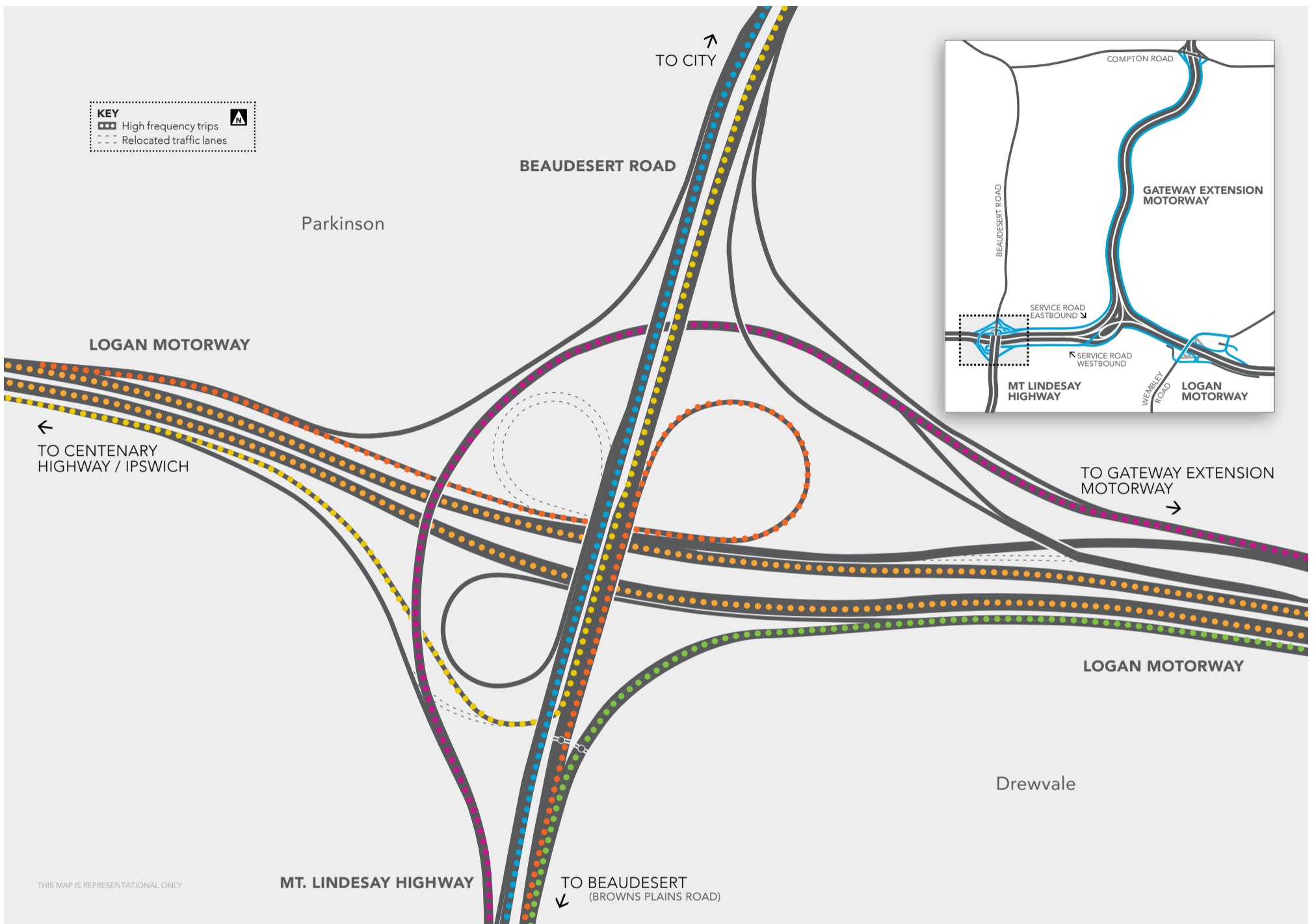
- Mt Lindesay Highway (north of Browns Plains Road) currently carries 76,000 vehicles per day.
- Only 56% of this traffic is travelling through to Beaudesert Road, meaning that almost half of all traffic has turned on or off to the Logan Motorway.

This is a very high proportion of turning movements.

- Beaudesert Road (south of Illaweeena Street) carries 55,300 vehicles per day.
- Logan Motorway carries 65,500 vehicles per day (west of Mt Lindesay Highway) and 71,300 (east of Gateway Extension).

** Vehicles per day figures are based on weekday counts

BEAUDESERT ROAD / MT LINDESAY HIGHWAY INTERCHANGE UPGRADES



How will my route change?

I'm travelling ...

From Beaudesert Road to the Logan Motorway (westbound)

- Removing the existing right turn 'stop and give way' arrangement.
- Adding a free-flowing underpass from Beaudesert Road southbound onto the Logan Motorway westbound to improve safety and connectivity for road users.
- Queuing on the Mt Lindesay Highway eliminated.

Average travel time saving

65% reduction in travel time in AM peak period.

An improvement on the 25% reduction included in the initial concept design.

I'm travelling ...

Through on the Logan Motorway

- Eliminating the dangerous high speed to low speed traffic merges and weaving by separating through traffic from local traffic via the use of high speed service roads.
- Returning the Logan Motorway westbound speed limit to 100km/hr.
- Increasing the capacity by adding additional lanes between the Mt Lindesay Highway and the Gateway Extension Motorway interchanges (at project completion there will be four westbound and three eastbound lanes).

Average travel time saving

55% reduction in eastbound travel time in the AM peak period.

15% reduction in westbound travel time in the PM peak period.

I'm travelling ...

From Logan Motorway (eastbound) to Mt Lindesay Highway

- Eliminating weaving and merging issues caused by traffic entering and exiting the Logan Motorway by removing the existing north-west on-ramp clover leaf arrangement.
- Eliminating the merging and weaving issues at the westbound service road connection to the southbound Mt Lindesay Highway by adding a signalised intersection.

Average travel time saving

45% reduction in travel time in the AM peak period.

An improvement on the 35% reduction included in the concept design.

I'm travelling ...

From Mt Lindesay Highway to Gateway Extension

- Adding a dedicated off-ramp for traffic exiting to the Logan Motorway (eastbound and westbound) prior to the Logan Motorway interchange.
- Adding a free-flowing two lane service road to eliminate weaving and merging issues associated with the existing north-west clover leaf arrangement.
- Increasing capacity on the Mt Lindesay Highway by adding an additional northbound lane from the Johnson Road on-ramp to the Logan Motorway.

Average travel time saving

70% reduction in travel time in AM peak period.

An improvement on the 30% reduction included in the initial concept design.

I'm travelling ...

From Mt Lindesay Highway to Beaudesert Road (northbound)

- Creating a free-flowing northbound movement by removing the opposing right turn arrangement.
- Increasing through capacity along Mt Lindesay Highway and Beaudesert Road with an additional northbound lane added from the Johnson Road on-ramp to the northern side of the Logan Motorway.
- Reducing northbound traffic as motorway traffic exits prior to the interchange via a new dedicated ramp.

Average travel time saving

35% reduction in travel time in AM peak period.

An improvement on the 5% reduction included in the initial concept design.

I'm travelling ...

From Gateway Extension Motorway to Mt Lindesay Highway

- Merging traffic from the westbound service road with the southbound Mt Lindesay Highway removed by installing a signalised intersection to manage traffic demand and improve safety. This is the only set of traffic signals to be installed at this interchange.
- Increasing southbound capacity by adding an additional lane on Beaudesert Road / Mt Lindesay Highway southbound from the Logan Motorway to the Brown Plains Road exit ramp.

Average travel time saving

70% reduction in travel time in PM peak period.