

Wanneroo Road and Joondalup Drive Interchange

Changes to the local road network in Tapping

Safety improvements will be made at the intersection of Joondalup Drive and St Stephens Crescent, as part of works being undertaken for the Wanneroo Road and Joondalup Drive Interchange project.

The current situation

Safety at the intersection of Joondalup Drive and St Stephens Crescent has been of concern for some time, particularly due to its close proximity to local schools.

Between 2012 and 2016 there were seven crashes resulting from vehicles trying to make a right turn into or out of St Stephens Crescent, some of which hospitalised motorcyclists.

Additionally, the gaps in traffic along Joondalup Drive will soon be reduced as a result of the Wanneroo Road and Joondalup Drive Interchange project making the road more free flowing and less congested. This will make right turn access into St Stephens Crescent even more difficult and potentially dangerous.

Road safety solution

Right turn access between St Stephens Crescent and Joondalup Drive will be removed to create a safer environment at the intersection

There will be no restrictions on left turn access.

Traffic analysis of Joondalup Drive and St Stephens Crescent intersection

A traffic count* undertaken by Main Roads during morning and afternoon peak hours showed that a very small proportion of road users made right turn movements at the intersection of Joondalup Drive and St Stephens Crescent.

School drop off time: 7.45am-8.45am

2487 road users travelled along Joondalup Drive.

- Less than four per cent (97) of these turned right into St Stephens Crescent (from Joondalup Drive westbound).
- Less than half a per cent (9) of road users turned right out of St Stephens Crescent on to Joondalup Drive.

School pick up time: 3.30pm-4.30pm

2620 road users travelled along Joondalup Drive.

- Less than three per cent (74) of these turned right into St Stephens Crescent (from Joondalup Drive westbound).
- Less than one per cent (21) road users turned right out of St Stephens Crescent on to Joondalup Drive.

Timing

The timing will be determined by our successful contractor's construction methodology, however we anticipate the changes will occur in late 2018.

The community and key stakeholders including local schools will be continually communicated with throughout 2018 and 2019. We will provide advanced notice of construction impacts and traffic changes.

**All traffic counts took place on 13 September 2017, a midweek working day, during the school term*



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☎ 138 138
✉ enquiries@mainroads.wa.gov.au
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BUILDING OUR FUTURE

CHANGES TO THE LOCAL ROAD NETWORK IN TAPPING

New routes for road users

Road users wishing to turn right into St Stephens Crescent from Joondalup Drive

- The most efficient route will be to exit Joondalup Drive at the new Wanneroo Road roundabout and then use Clarkson Avenue to access Tapping.

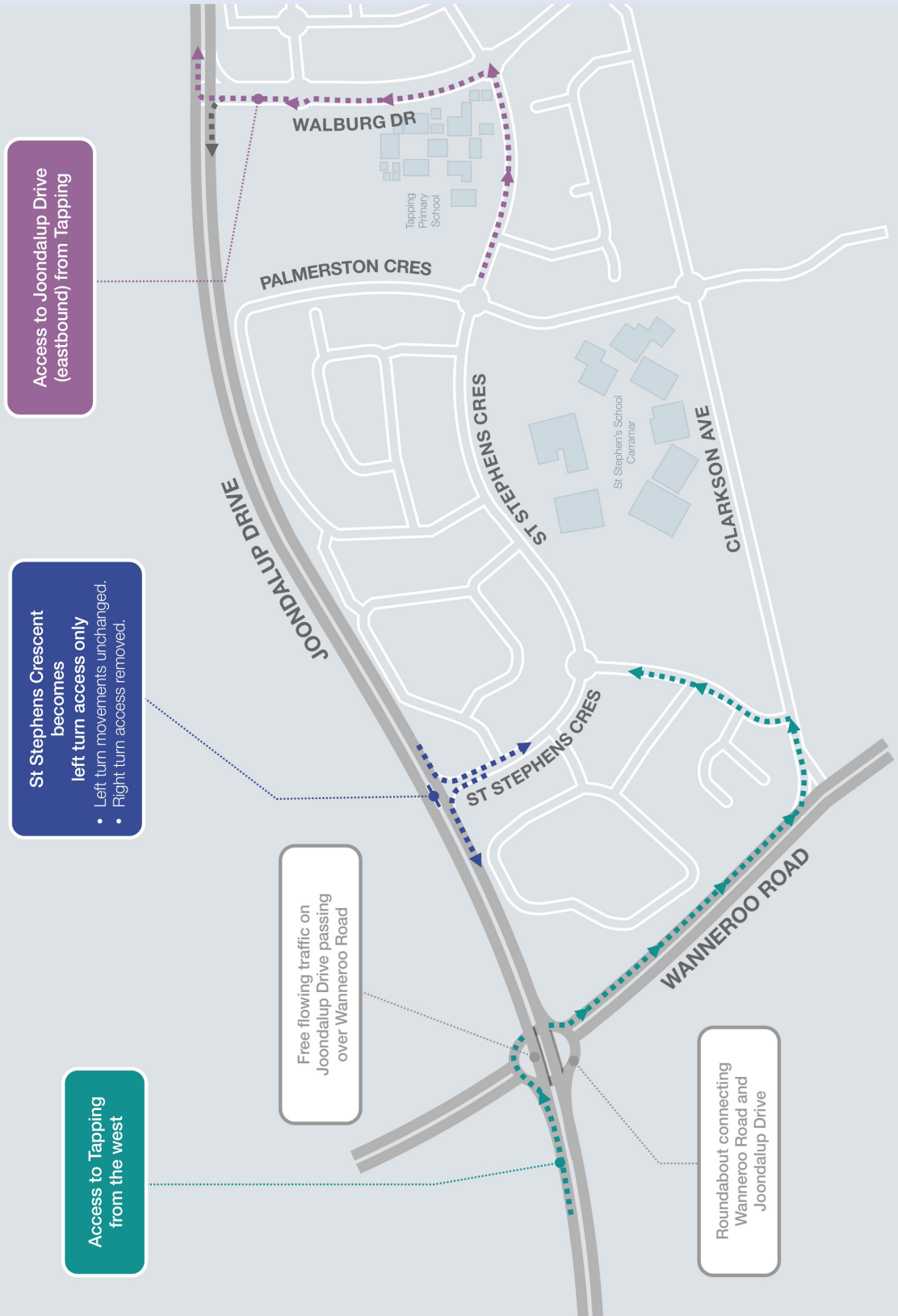
Road users wishing to turn right out of St Stephens Crescent on to Joondalup Drive (eastbound)

- The most efficient route will be to exit the suburb via Walburg Drive instead of St Stephens Crescent.
- Alternatively, road users can turn left on to Joondalup Drive and make a U-turn around the new Wanneroo Road roundabout, a detour of approximately 800 metres.

The changes will affect a relatively small number of road users and we are confident that the redistribution of vehicles as a result of the changes will have little or no impact on the performance of other local intersections.

Local bus routes

Main Roads is working closely with the Public Transport Authority to confirm future bus routes in and around Tapping.



Access to Tapping from the west

St Stephens Crescent becomes left turn access only

- Left turn movements unchanged.
- Right turn access removed.

Free flowing traffic on Joondalup Drive passing over Wanneroo Road

Access to Joondalup Drive (eastbound) from Tapping

Roundabout connecting Wanneroo Road and Joondalup Drive