



BYFORD BAPTIST CHURCH

Relocation to shed at Lot 3 (#155) Warrington Rd. Byford

Abstract
Traffic Impact Statement

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Introduction

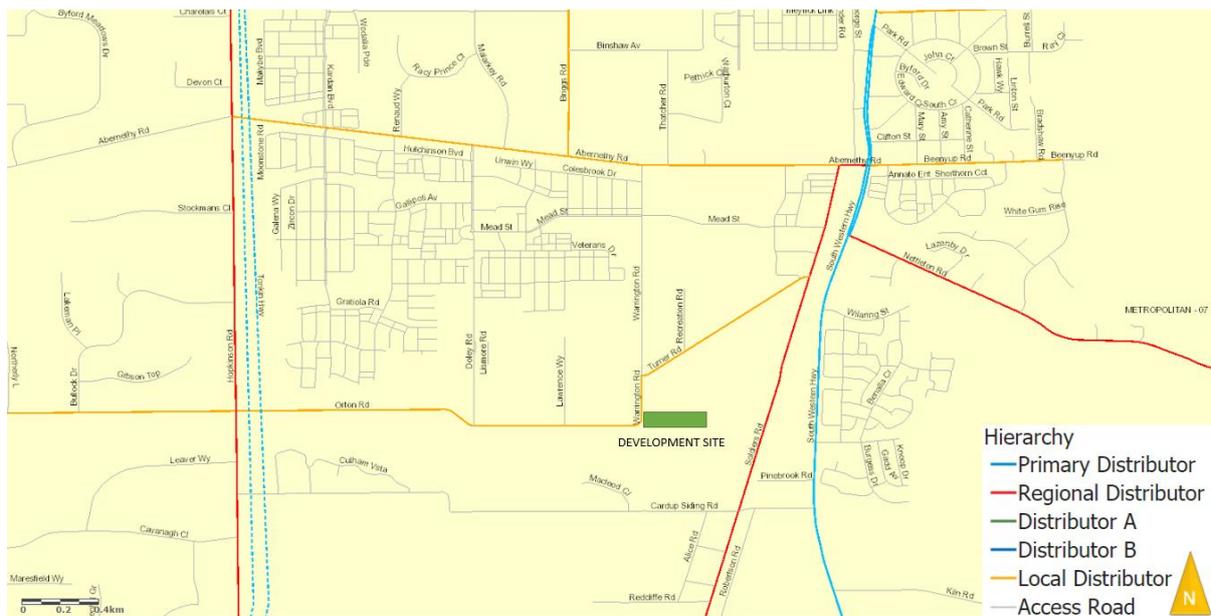
It is proposed that Byford Baptist Church (BBC) will be relocating temporarily to a converted shed at 155 Warrington Rd Byford. Note that the site is the future location of a new building that BBC will construct for worship and other community activities during the week. The site is currently owned by Baptist Care who will be developing the site for aged care, minus 1ha of land that will be subdivided and sold to BBC on the corner of Orton and Warrington Roads.

The temporary relocation of BBC will be for a nominal period of 4 years during which time BBC intend on building their new building and moving in.

The purpose of this report is to give an outline of the increased traffic impact in the area due to the relocation of BBC to the shed.

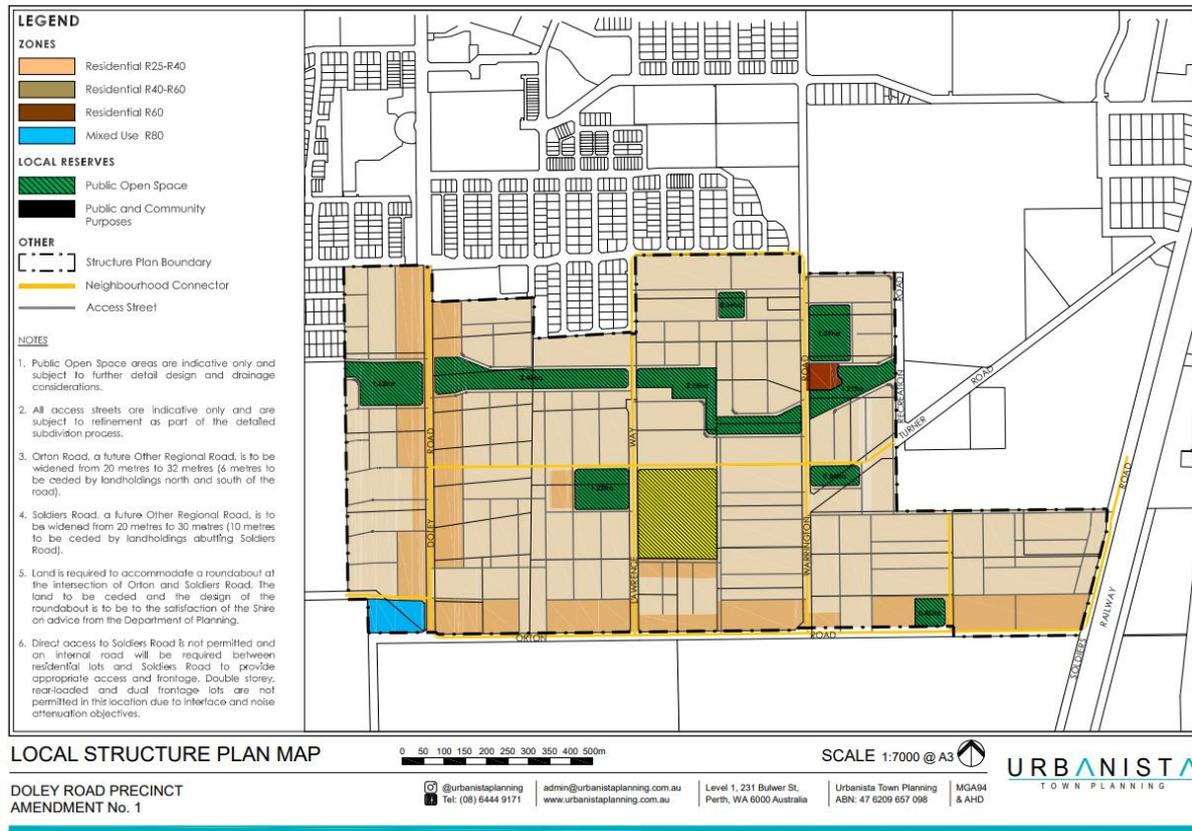
Prescribed road use

Currently the roads that surround the site; Orton Road, Warrington Rd, Turner Road (the roads) are classified as Local distributor roads which are appropriate for the use of access to and from the site.



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This is also consistent with the Doley Rd Local Structure Plan



Condition of the roads

BBC are aware of the current condition of the three main approach roads to the site. They are constructed of a bitumen carriageway with graded gravel shoulders. The width of the carriageway and shoulders varies along each road but following are some approximate dimensions;

- Warrington Rd the main access has a bitumen carriageway of 5.4m with 1m gravel shoulders each side.
- Orton Rd has a bitumen carriageway of 5.3m with 2m gravel shoulders each side.
- Turner Rd has a bitumen carriageway of 4.2m with 1.2m gravel shoulders each side.

Travelling along each of these roads can be done in a single direction comfortably at the local speed limit of 50km/h as the vehicle can remain on the bitumen carriageway. For both Warrington and Orton Rd's when a vehicle approaches another coming in the other direction although they may be able to pass one another on the bitumen due to the carriageway being wide enough it is not comfortable to do as vehicles pass close to one another. In this instance the general effect is that both vehicles slow down and move out onto the gravel shoulder to pass. This is acceptable given the number of cars that use these roads and generally the gravel shoulders are maintained such that it is safe to drive on them. Note that vehicles passing in opposite directions will normally have 2 wheels on the bitumen maintaining stability. Turner Rd bitumen carriageway is too narrow for 2 cars to pass so cars are required to use the gravel shoulder when passing. Most people approaching and leaving the site will be using the Warrington Rd approach.

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Orton Rd at the intersection with Hopkinson Rd is in bad condition. The carriageway is heavily patched, and the gravel shoulders require frequent maintenance to prevent corrugations and wash outs when heavily raining. Currently there are only a few members that live South of Byford and only 1 of them would make the approach down Orton Rd from the west, so this is not seen as increasing the traffic unduly from that direction. Most people will approach the site from the north down Warrington Rd which whilst narrow is of better condition and will be upgraded as a condition of development of the land that Baptist Care own.

Traffic impact

Following is an estimation of the number of cars and people that BBC activities could generate, using Warrington Rd during the week (Orton Rd west approach not included due to minimal increased traffic).

Monday –	Administration, 3 cars, 3 people. Seniors bible study 10am, 6 cars, 10 people
Tuesday -	Administration, 3 cars, 3 people Food market preparation afternoon, 5 cars, 6 people
Wednesday -	Administration, 3 cars, 3 people Food market preparation afternoon, 8 cars, 12 people
Thursday –	Food market - 5 cars 8.30am, 5 people increasing to maximum of 25 cars per hour from 10am-2pm, 160 people
Friday –	Youth group, 20 cars arriving and departing 7pm, 30 people. 20 cars arriving departing 9.30pm
Saturday –	Men’s breakfast - 10 cars arriving 8am, 12 people. Departing 9.30am
Sunday –	Sunday morning worship - 6 cars arriving 8am, 10 people increasing to 50 cars by 9.30am, 70 people. 50 Cars departing 11am-12pm

Given the number of cars estimated during the week, whilst increasing the traffic down Warrington Rd it will not put the road under undue stress beyond its design capabilities. Drainage down each side of the road is functional and the gravel shoulder on each side is wide and firm enough to allow cars to pass in opposite directions. Generally, drivers will slow down to move onto the gravel shoulder when passing, this active driving manoeuvre increases the road users awareness of each other and makes passing safer. Given that the road will be upgraded in the near future the long-term risk to users is minimised.

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Impact on neighbours

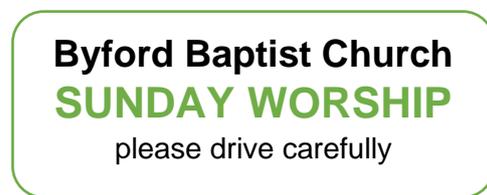
Whilst there will be an increase in the number of cars during the week the impact on neighbours is minimalised due to;

- The times of traffic activity are spread apart and are not constant so this will be less of an annoyance to neighbouring properties.
- There are only 14 houses in the area on 2ha sites that are accessed from Warrington Rd and they are generally set well back from the road.
- The area will be developed for Urban densities, increasing the number of cars on Warrington Rd, which is in line with the future planning framework.

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Risk mitigation

To assist users of Warrington Rd with knowledge of increased traffic during the times when higher volumes of traffic are expected and there is an increased risk of accident, it is proposed to have temporary signage on Thursday for Food Market and Sunday for morning worship. The signs would say;



A sign will be placed on the road verge where Warrington Rd narrows from the north



Another sign will be placed 20m before the crossover to the site on the approach from the north



A sign will also be erected on the entry to the site to clearly identify where BBC is.

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Conclusion

Although the roads surrounding the site are narrow country roads there are a number of supporting factors that need to be considered given the nature of the activities of BBC;

- The road classification supports the activity use,
- The high rate of development in the area meaning the infrastructure will be upgraded,
- Future widening and upgrade to Warrington and Orton Rd,
- The temporary nature of the assessment,
- Mitigated risks.

In conclusion, the impact of traffic in the area due to BBC temporarily relocating to 155 Warrington Rd is expected to be low to moderate and within the capacity and capability of the current roads.

Should there be any further query please contact by email the author of this document.