

To Sam Rigoli, Andrew McGrath – Perumal Pedavoli Architects
From Clare Woods
Date 24 January 2017
Subject Oran Park High School and Public School – Traffic volumes

From the AECOM report dated 14 April 2016, the following future peak hour traffic volumes are predicted:

AM Peak

- 511 vehicles per hour in Holden Drive near the high school (268 eastbound and 243 westbound)
- 462 vehicles per hour in South Circuit near Holden Drive (286 northbound and 176 southbound)
- 767 vehicles per hour in South Circuit near Dick Johnson Drive (389 northbound and 378 southbound)
- 1,148 vehicles per hour in Dick Johnson Drive (612 eastbound and 536 westbound)

PM Peak

- 206 vehicles per hour in Holden Drive near the high school (7 eastbound and 199 westbound)
- 172 vehicles per hour in South Circuit near Holden Drive (55 northbound and 117 southbound)
- 240 vehicles per hour in South Circuit near Dick Johnson Drive (21 northbound and 219 southbound)
- 1,075 vehicles per hour in Dick Johnson Drive (376 eastbound and 699 westbound)

The above peak periods are based on the general commuter peaks, which will occur around 6:30-8:30 am and 4:30 to 6:30/7:00pm. As such they will not occur during school hours.

During school hours, we have estimated that peak traffic volumes in Holden Drive past the school will be 100 to 150 vehicles per hour (50 to 75 in each direction). Volumes in South Circuit will be similar. Data was not available for Dick Johnson Drive. However, adopting flows during the day of 70% of the peak flow will give flow of 750 vehicles per hour (375 in each direction).

The report did not provide daily traffic volumes on the roads past the schools. However, using recommendations from Austroads, we have estimated the AADT as follows:

- Holden Drive at High School – 6,000
- South Circuit at Public School – 7,000
- Dick Johnson Drive near South Circuit – 14,000