

Route 3 Metroad route 3 of Church Street and Concorde Road creates a link across the Parramatta River and north to a Newcastle and the northern beaches. Victoria Road Route 40 is a major arterial road running east-west near the study area from Sydney to Parramatta.

Turns from Victoria Road towards the site are restricted: the right turn from the East not being available into West Parade (drivers must continue on to Chatham Road signals and then work their way back past a shopping centre). Coming from the west left turns are available into West Parade directly. Exit exiting from West Parade is available left-hand and right onto Victoria Road.

The next level down of the road hierarchy includes Marsden Road some 2 km to the west running to the north and Rutledge Street running east-west some 1 km 1.5 km north of the site which connects with Blaxland Road east-west. On the more local road hierarchy the combination of West Parade and Ryedale Road does provide an opportunity for north-south movement across the study area but these are effectively local distributor roads although they will carry substantial through traffic. A degree of traffic calming is evident in the vicinity: a roundabout at West Parade and Miriam Road and signals at West Parade and Ryedale (see Figure 2).

The area has a local speed limit of 50 km/h.

An inventory of the existing traffic controls is shown in Figure 4.

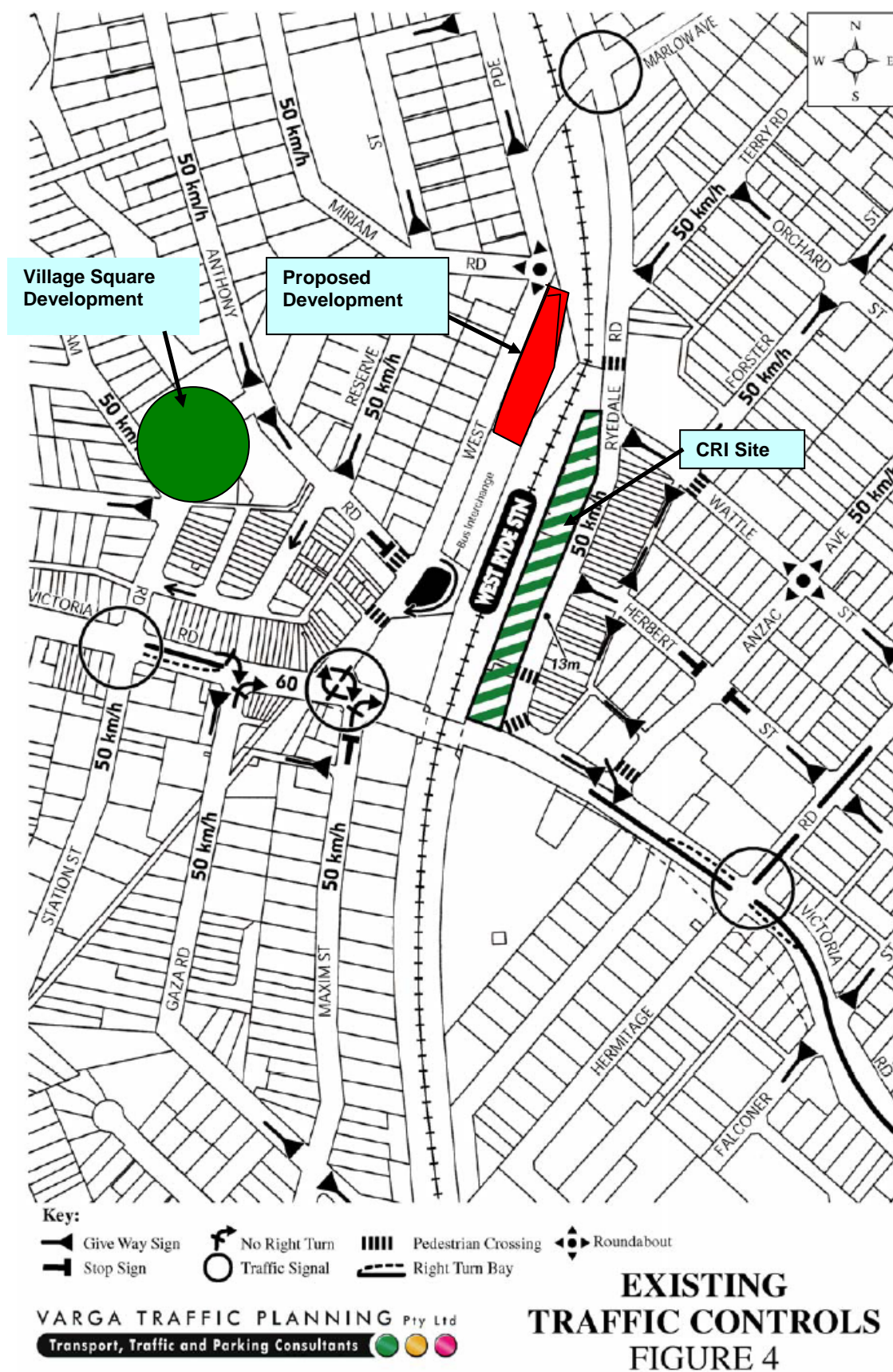


Figure 4 CRI development and surrounds

2.5 Existing Traffic Conditions

Victoria Road is the major arterial road in the area running east-west. It is generally configured as three eastbound lanes and two westbound lanes to the east of Chatham Road due to the constriction under the railway line (Figure 2) and the right turn bay into Chatham Road (Figure 3). The right turn bay into Chatham Road currently accommodates approximately 12 vehicles.



Figure 5 Victoria Road looking east from West Parade



Figure 6 Victoria Road looking east from Chatham Road



Figure 7 Victoria Road looking west from West Parade

Chatham Road and West Parade intersect with Victoria Road and provide a distributor road function for north-south traffic accessing the West Ryde town centre and the residential precinct to the north. Chatham Road is a 12.8m wide road generally configured as a traffic lane in each direction with kerbside car parking. At the Dickson Avenue roundabout, Chatham Road continues with a single lane in each direction and no car parking until the north of Betts Street.



Figure 8 Chatham Road looking north from Victoria Road



Figure 9 West Parade southbound approach to Victoria Road

2.6 Current and proposed road works, traffic management works and bikeways

Investigation of Ryde Council and RTA websites did not indicate any major proposals apart from the issues in the DGR's that are addressed later in this report.

2.7 Traffic Flows

A peak hourly traffic count was undertaken by Arup on West Parade (in front of the site) on Wednesday, 24 April 2009. It was found that the two way traffic volume on West Parade varies between 430 veh/h around the midday and 750 veh/h during the pm peak period.

Traffic volumes and forecasts are contained in the various Masterplan studies for Victoria Road and a recent study for the area¹. Typical daily (AADT) and AM and PM peak hour are reproduced in Table 1 and Table 2 respectively.

station	Road	Location	1987	1989	1991	1993	1996	1999	2002	2005
51.213	VICTORIA RD,MR165-SL1	WEST RYDE-AT RAILWAY OVERBRIDGE					59051	57590	58335	58238
00.661	VICTORIA RD(E/W)	ADELAIDE ST(S).WEST RYDE-TCS 785	61373	62997	62274	60395	61921	62447	55016	60582

Source: Daily Traffic, AADT, RTA NSW, 2008

Table 1 Daily Traffic Volumes

Day	Rd	Location	Scenario	Duration	Veh/h(both direction)
Thursday	West Parade	N of Vic Rd	AM Peak	7.30am-8.30am	533
	West Parade	N of Anthony St			459
	Vic Rd	W of West Parade			5350
	Vic Rd	E of West Parade			5027
	West Parade	N of Vic Rd	PM Peak	5pm-6pm	695
	West Parade	N of Anthony St			748
	Vic Rd	W of West Parade			4876
	Vic Rd	E of West Parade			4347
Saturday	West Parade	N of Vic Rd	Midday Peak	11.45am-12.45pm	537
	West Parade	N of Anthony St			629
	Vic Rd	W of West			4082
	Vic Rd	E of West			3809

Source: Arup, West Ryde Shopping Centre, 2003

Table 2 Existing Traffic Volumes

¹ West Ryde Village Traffic Study, Arup, 2007