

- **Scenario 3 - Future with Development** – proposed intersection layout modelled with projected 2031 traffic volumes (1.5 per cent background growth to through traffic) with additional school traffic generated by increased student and staff numbers added.

A comparison between the future base and future with development scenarios will show the potential impacts associated with the proposal. Future models have been developed for the year 2031 when it is anticipated that the school will reach its maximum capacity.

It is acknowledged that some form of intersection upgrade is necessary at the Wine Country Drive/ Lomas Lane intersection to alleviate existing constraints while also accommodating the future in demand associated with the proposal. In this regard, two proposed layout options have been tested to demonstrate the ability to cater for additional traffic. The proposed layouts are shown in Figure 6.1 and Figure 6.2.

Figure 6.1: Wine Country Drive/ Lomas Lane – seagull intersection layout [1]

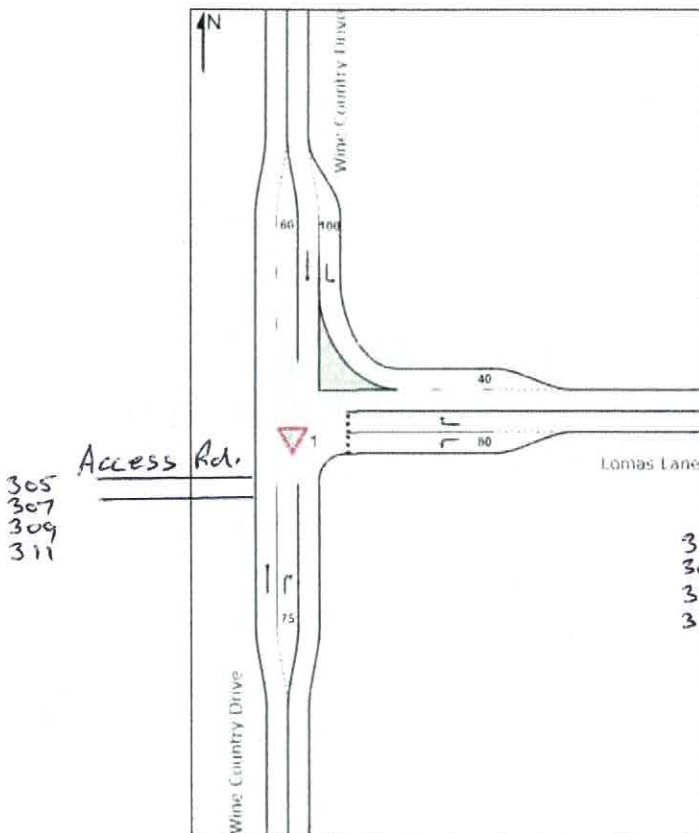


Figure 6.2: Wine Country Drive/ Lomas Lane – roundabout



[1] Seagull intersect on layout as shown does not reflect how the SIDRA model has been assessed

As discussed, the proposed layout for the new access on Wine Country Drive includes a priority controlled intersection with a dedicated right turn bay and left turn slip lane on Wine Country Drive. The right turn exit from the school is proposed to be banned during school peaks only. The indicative layout is shown in Figure 6.3.