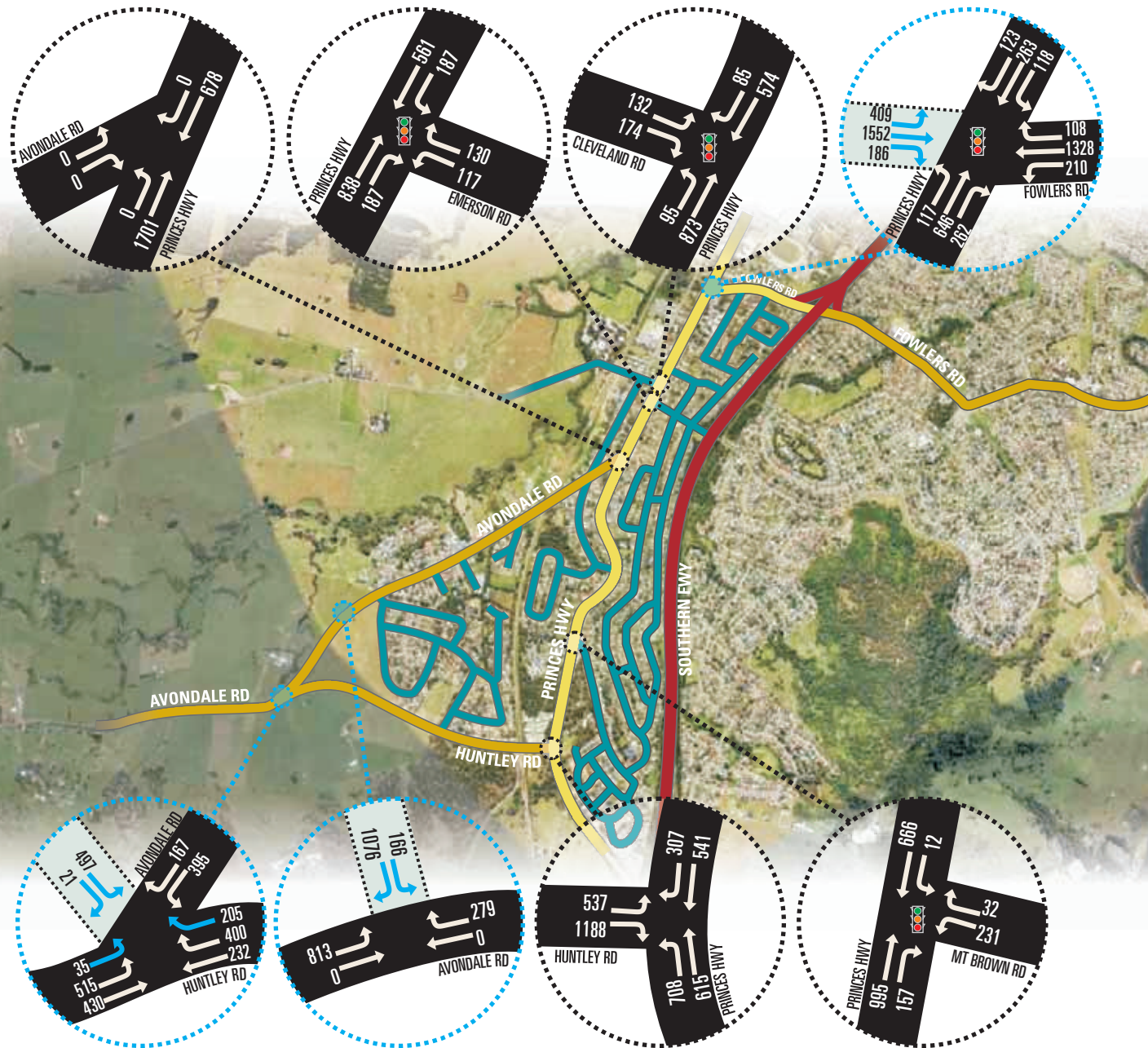
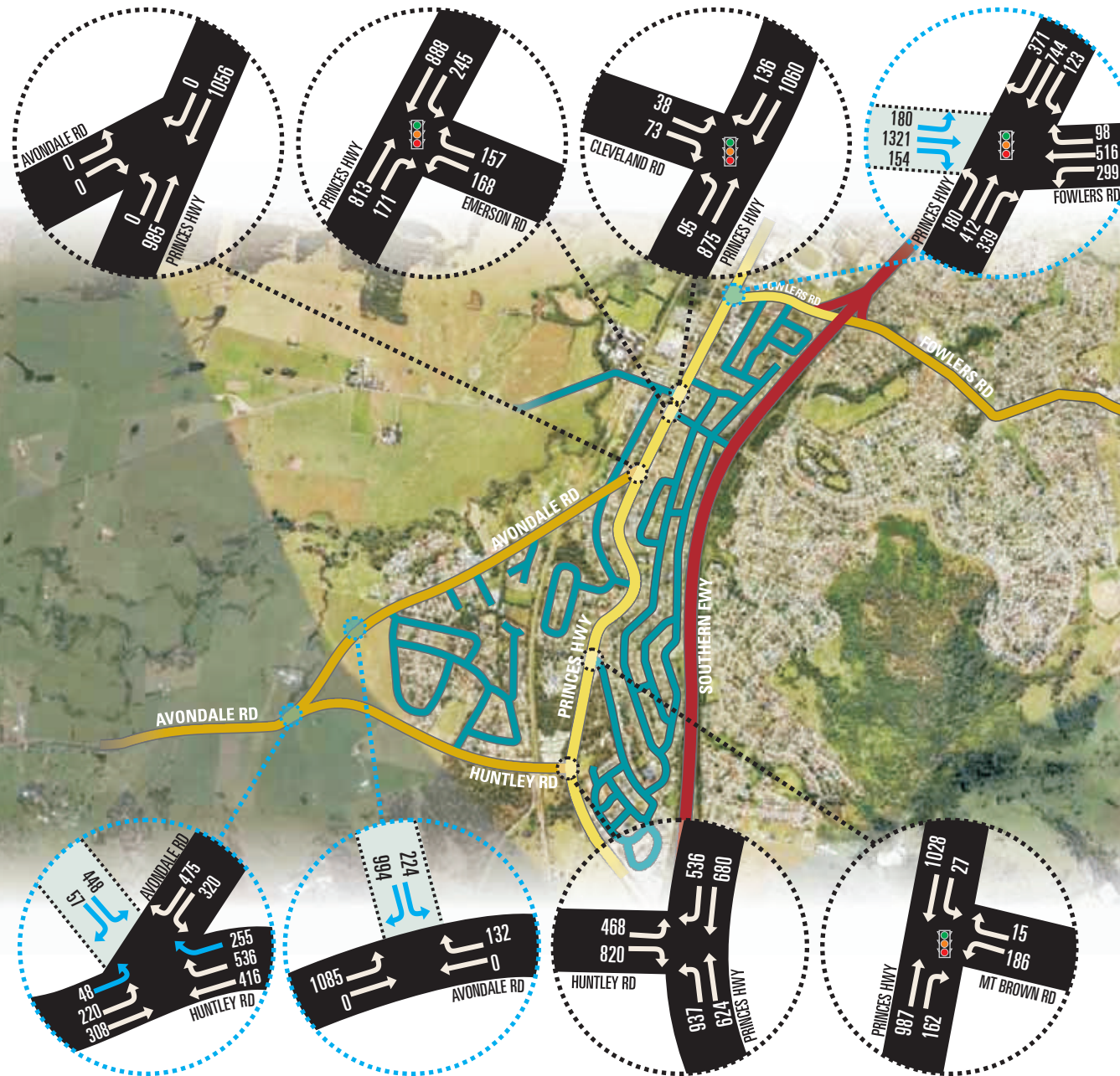


Figure No:
5.3







5.3 TRAFFIC DISTRIBUTION AND ASSIGNMENT

Traffic distribution and assignment for background traffic plus development traffic has been undertaken for 2008, 2016 and 2026 using the TRACKS Model. The main reason for this assessment is to determine the impact of traffic taking into consideration the infrastructure changes proposed in and around the development site, including new connector roads (e.g. Fowlers Road extension) and the closure of Avondale Road at the existing level railway crossing.

The future road network adopted for the purposes of this TMAP was developed from the West Dapto Master Plan and the 2026 WOLSH TRACKS model, representing forward planning undertaken jointly by the RTA and WCC. A brief summary of the traffic distributions are described below for the various years.

5.3.1 2008 Traffic Distribution with Development Traffic

Avondale Road

- 60% of traffic travel northeast and 40% of traffic travel southwest in the AM peak; and
- 35% of traffic travel northeast and 65% of traffic travel southwest in the PM peak

Huntley Road

- 40% of traffic travel east and 60% of traffic travel west in the AM peak; and
- 45% of traffic travel east and 55% of traffic travel west in the PM peak.

Princes Highway

- 50% of traffic travel north and 50% of traffic travel south in the AM peak; and
- 50% of traffic travel north and 50% of traffic travel south in the PM peak.

5.3.2 2016 Traffic Distribution with Development Traffic

Avondale Road (between Huntley Road and Fowlers Road Extension)

- 55% of traffic travel northeast and 45% of traffic travel southwest in the AM peak; and
- 40% of traffic travel northeast and 60% of traffic travel southwest in the PM peak

Huntley Road

- 55% of traffic travel east and 45% of traffic travel west in the AM peak; and
- 35% of traffic travel east and 65% of traffic travel west in the PM peak.

Princes Highway

- 60% of traffic travel north and 40% of traffic travel south in the AM peak; and
- 55% of traffic travel north and 45% of traffic travel south in the PM peak.

5.3.3 2026 Traffic Distribution with Development Traffic

Avondale Road (between Huntley Road and Fowlers Road Extension)

- 55% of traffic travel northeast and 45% of traffic travel southwest in the AM peak; and
- 40% of traffic travel northeast and 60% of traffic travel southwest in the PM peak

Huntley Road

- 55% of traffic travel east and 45% of traffic travel west in the AM peak; and
- 35% of traffic travel east and 65% of traffic travel west in the PM peak.

Princes Highway

- 60% of traffic travel north and 40% of traffic travel south in the AM peak; and
- 55% of traffic travel north and 45% of traffic travel south in the PM peak.

The traffic distribution and assignment is shown in **Figure 5.7** to **Figure 5.12** below.