DAREBIN SIGNALISED PEDESTRIAN CROSSINGS GAP ANALYSIS

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Team Leader Transport Strategy
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Priority Factors

- Pedestrian Demand
- Gaps
- Traffic Volumes
- Priority Sites
A Principal Pedestrian Network (PPN) is a strategic network of pedestrian routes to promote walking for transport.

Darebin’s PPN was developed in 2016 following the Department of Economic Development Jobs Transport and Resources PPN guidelines.

Darebin’s PPN is an enhancement from DEDJTR methodology by using 14 primary destinations and establishing three levels of priority.

The PPN uses residential and employment origin for the trips.

The final PPN includes future population based on 2036 forecasts, including known new residential developments.
Pedestrian Demand - Principal Pedestrian Network (PPN)

Train Stations

Tram Stops
Pedestrian Demand - Principal Pedestrian Network (PPN)
Pedestrian Demand - Principal Pedestrian Network (PPN)

Major Retail

Minor Retail
Pedestrian Demand - Principal Pedestrian Network (PPN)

Tertiary Education

LaTrobe University
Pedestrian Demand - Principal Pedestrian Network (PPN)

- Primary Schools
- Secondary Schools
- Kindergartens
Pedestrian Demand - Principal Pedestrian Network (PPN)

Community Facilities

Health Facilities
Road Network: over 5000 vpd

- 500 Km of Road Network
- 40 Km of roads have more than 5000 vpd
Traffic signals: 200 m catchment

- 500 Km of Road Network
- 40 Km of roads have more than 5000 vpd
- 150 Traffic Signals with 200 m catchment
Traffic signal gaps

- 500 Km of Road Network
- 40 Km of roads have more than 5000 vpd
- 150 Traffic Signals
- 90 Gaps between 200 m catchments
Pedestrian Demand Map - Reservoir

4. Edwards St (Daventry St)

11. Broadway (Dennis St)

22. Broadway (Fordham Rd)
TOP 25 SITES

Pedestrian Crossings

Proposed Sites

- ★ Top 10
- ★★ Top 20
- ★★★ Top 25
IMPLEMENTATION: COUNCIL ROADS

Sites

• 16 sites on Council roads to be assessed by 2021
• 11 with no facility
• 5 with some facility

Next steps

• 1 zebra crossing installed this FY
• 1 refuge and 1 POS being designed, construct next FY
• Other locations assessed or designed next FY
IMPLEMENTATION: VICROADS ROADS

VicRoads sites

- 9 sites on VicRoads managed roads to be assessed by 2021
- Advocating to State Government to improve these sites
- Will also assess these next FY
Broader Walking Implementation in Darebin

- Includes proposed level of service for PPN (primary):
  - Safe Crossing points no more than 400m apart on roads with more than 5000 vpd
  - A minimum 1.5m wide footpaths (1.8m desirable)
  - Pram ramps, Tactile Ground Surface Indicators
  - Signal priority
  - >7.8m roads need infrastructure to support crossing
  - Slip lanes and roundabouts need to be removed or improved for pedestrians
  - Trees need to be planted every 10m along PPN
  - Higher level of service in activity centres, guided by master plans
- Prioritise works based on likely future demand mapping
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