

Appendix B: Data collection

Introduction

This background paper outlines different sources of data and information that can be used when planning and developing Traffic Management Plans. There is generally a lack of understanding of where information relating to pedestrians and cyclists can be found, and also the types of information that should be considered as part of the development and planning process. This document provides that information.

Considerations

As TMPs are required to consider all road users it is important that when planning and developing proposals practitioners have a true understanding of the different modal demands and do not focus purely on vehicles. Where works are to take place in areas that are subject to high pedestrian and cyclist volumes throughout the day, such as major activity centres, or city CBDs, it may be beneficial to undertake works at night to avoid disruption, or other quieter times.

This means consideration should be given to key attractors and sources of flows including railway stations, bus and tram stops, schools, community centres and sporting venues. The traditional morning / evening peaks considered for vehicles may not be applicable and often high pedestrian flows are an issue at weekends.

Data Collection

To gain an understanding of the environment that defines the area in which the works are to be carried out, survey data should be collected. This may include volume counts per mode, origin-destination counts, peak period surveys or other types of data collection. These results will help build a representative profile of the area in which works are to be carried out, to adequately cater for anticipated road users, including pedestrians and cyclists.

Some of the key data sources that can be drawn upon to collect data on cyclists and pedestrians in Victoria can be found on The Victorian Government Data directory (www.data.vic.gov.au). The 'Transport' portal provides data and resources for traffic volumes in Victoria, crash statistics, bicycle networks, the road safety camera network and public transport.

Data Sets

Suggested data sets on the Victorian Government Data directory:

- Crashes Last Five Years and Crash Stats
- VicRoads Road Use and Performance
 - Vehicle Volumes
 - Bicycle Speeds and Volumes (VicRoads, Road Use and Performance, 2019)
- Bicycle Volumes and Speed
- Principal Bicycle Network
- Strategic Cycling Corridor
- Victorian Integrated Survey of Travel and Activity (VISTA)

Other available sources that may be useful:

- Pedestrian Volumes in the City of Melbourne
<http://www.pedestrian.melbourne.vic.gov.au>
- Local Council websites:

- Key Activity Areas
- Active Transport Plans (Integrated Transport Plans, Walking Plans, Bicycle Plans) Road Safety Plans
- Active Transport Maps (Travelsmart maps)

<https://www.vicroads.vic.gov.au/traffic-and-road-use/cycling/bicycle-route-maps>

Use of these different sources and data for walking and cycling will enable a proper understanding of the context and environment of where works are going to take place.

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