

## APPENDIX B: TRAFFIC and SAFETY CONSIDERATIONS

### AUSTROADS GUIDE TO TRAFFIC MANAGEMENT PART 12 TRAFFIC IMPACT OF DEVELOPMENT

#### 2.1.3 *Transport Considerations*

During consideration of both an application and any appeal, access to arterial roads or traffic impacts on local areas are often contested issues. Issues typically focus on the impact on the adjacent road, the road network, or other modes (including modal split) created by:

- the type of development
- the scale, form or layout of the development
- the location and type of access onto the adjacent roads.

Transport issues considered during these processes typically include:

- the suitability of the development for its location, considering the transport options available for potential users
- compatibility of the development and its access requirements with the traffic function of the adjacent road
- the impact on the wider road network, both arterial and local
- the likely use of public transport, cycling and walking instead of using motor vehicles for access (modal split)
- trip generation (both people and goods), especially peak generation periods (development and background traffic)
- traffic volume generation and its distribution and accommodation, including traffic capacity issues
- impact on pavements where development involves significant haulage during the construction or operation phases
- the access and site layout needs of delivery and service vehicles, and public transport vehicles
- parking demands and where they are to be provided for
- traffic safety within the site, at the access points and on the approach roads for all likely groups of road users
- the accommodation of pedestrians and cyclists, including access to and location of pedestrian and cycling facilities
- noise assessment and mitigation
- air quality (transport emissions), for example, for a proposed childcare centre adjacent to a major road with high traffic volumes.

#### 4.2.4 *Other Assessments*

A TIA may be just one of several assessments which are needed, to examine the impacts a development may have on a road network. Other assessments for consideration (discussed in Section 5) relate to:

- road infrastructure (including pavement) impacts
- road safety effects (potential for crashes and injuries)
- the utility for expected users (walkability, cycleability, availability of public transport)
- environment impacts and cultural or heritage issues.

The full assessment of the impact of a development will in many cases require consideration of other issues. These include:

- road infrastructure and pavement impacts
- road safety impacts
- environmental and other issues.

A TIA report should thus not be viewed as the only traffic-related development assessment report which should be considered. In particular, for developments of a size, scope or location as described in Section 5.3.2 a road safety audit report will be an essential part of any effective development assessment.

#### *Rural roads*

Aspects that may require consideration include the effect of additional traffic and access treatments on:

- overtaking opportunities
- dust nuisance and visibility impediment from unsealed shoulders
- speed differentials and reduction in LOS where significant heavy vehicle movement occurs
- noise for adjoining properties