



Queensland

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INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

**INFORMS. CONNECTS.
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Street Design MANUAL

The most comprehensive contemporary manual for
the planning and design of streets in Australia



Purpose:

- Provide planning and design practitioners (urban planners, civil engineers and civil design technicians) with contemporary guidelines for use in the planning and design of streets and street networks within various land-use precinct types ie a code of practice.
- Formatted as a development code or planning scheme policy, capable of being adopted in local government planning schemes and other planning frameworks.

The manual will provide contemporary good practice guidelines and codes of practice for the planning and design of streets and street networks for the following precinct types:

1. Transit-oriented Activity Centres
2. Non-transit-oriented Commercial Centres (such as District Centres)
3. Main Streets
4. Multi-use Precincts
5. Business Parks
6. Industrial Precincts
7. Rural Villages
8. Lower-density Residential Neighbourhoods
9. Rural Residential Neighbourhoods
10. Lower-density Private Residential Developments (where the internal roads are common property).

Separate planning principles and objectives will be defined for each of the precinct types. Some will be common across most or all precincts and some will be specific for a precinct type. Each precinct type will contain tables of assessment, being the performance outcomes and associated acceptable solutions for the planning of the street network within the precinct and the functional layout (including typical cross section) of individual streets within the precinct.

Contact Director Professional Services

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For individual streets, the performance outcomes and acceptable solutions will be based on the roles and functions appropriate for that street.

For each street function and each street element, design principles and objectives will be defined.

Street functions may include:

✓ Pedestrian traffic, including people with a disability

✓ Non-motorised vehicular traffic (bicycles and scooters)

✓ Mobility scooters and segways

✓ Motorised vehicular traffic

✓ Public transport

✓ Vehicular parking

✓ Vehicular loading spaces

✓ Refuse Collection

✓ Commercial interaction

✓ Pedestrian access to premises

✓ Vehicular access to premises

✓ Street dining

✓ Community interaction

✓ Seating

✓ Exercise activities

✓ Street entertainment

✓ Play

✓ Overland stormwater conveyance (the major drainage system)

✓ Stormwater capture and conveyance (the minor drainage system)

✓ Stormwater quality treatment

✓ Street Planning and Design Manual 6

✓ Lighting

✓ Utility services (each type to be considered separately)

✓ Awnings/protection for pedestrians from the elements

✓ Public transport shelters

✓ Micro-climate mitigation measures

✓ Streetscape treatment

✓ Trees

✓ Other planting

✓ Hard landscaping

✓ Street art

✓ Signage; and

✓ Other street furniture (serving the above functions)

The appendices will provide additional commentary and explanatory material for practitioners.

As far as practical, the manual will be evidence-based and supported by sound scientific principles. The basis for adoption of standards and guidelines in the manual will be included in the commentary.



Two storey apartments with basement parking provided as part of an integrated development, Bulimba

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