

- provision of shade increases in importance. The provision of a network of continuous shaded routes should be a priority. Likewise it is important to provide shading at waiting areas at transport interfaces. A 10 minute walk or 800m should be used as the basis for calculating walkable distances.
3. In general, shading structures should be integrated into the urban fabric as much as possible and should ideally reflect the architectural character of the development in terms of form and material.
  4. Architectural shade structures can consist of structural or fabric canopies, pergolas and shelters. In commercial areas preference should be given to the use of colonnades. A clear path that meets the requirements of Section 2.2, Pedestrian Routes shall be provided in order for the route to be classed as a shaded route.
  5. Brise-soleil (Fr. sun-breaker) can be used as a cantilevered device to provide shading to pedestrians as an alternative to colonnades.
  6. Patterns can add variety and interest to shading structures and pergolas but should not be contrived in the context of the development. In key locations identified as part of the masterplan or public realm strategy structural shading devices can be incorporated.
  7. Detailed sun angle / shade projection studies should be carried out to identify where shading is required and shading solutions should be tested by CAD modelling prior to construction.

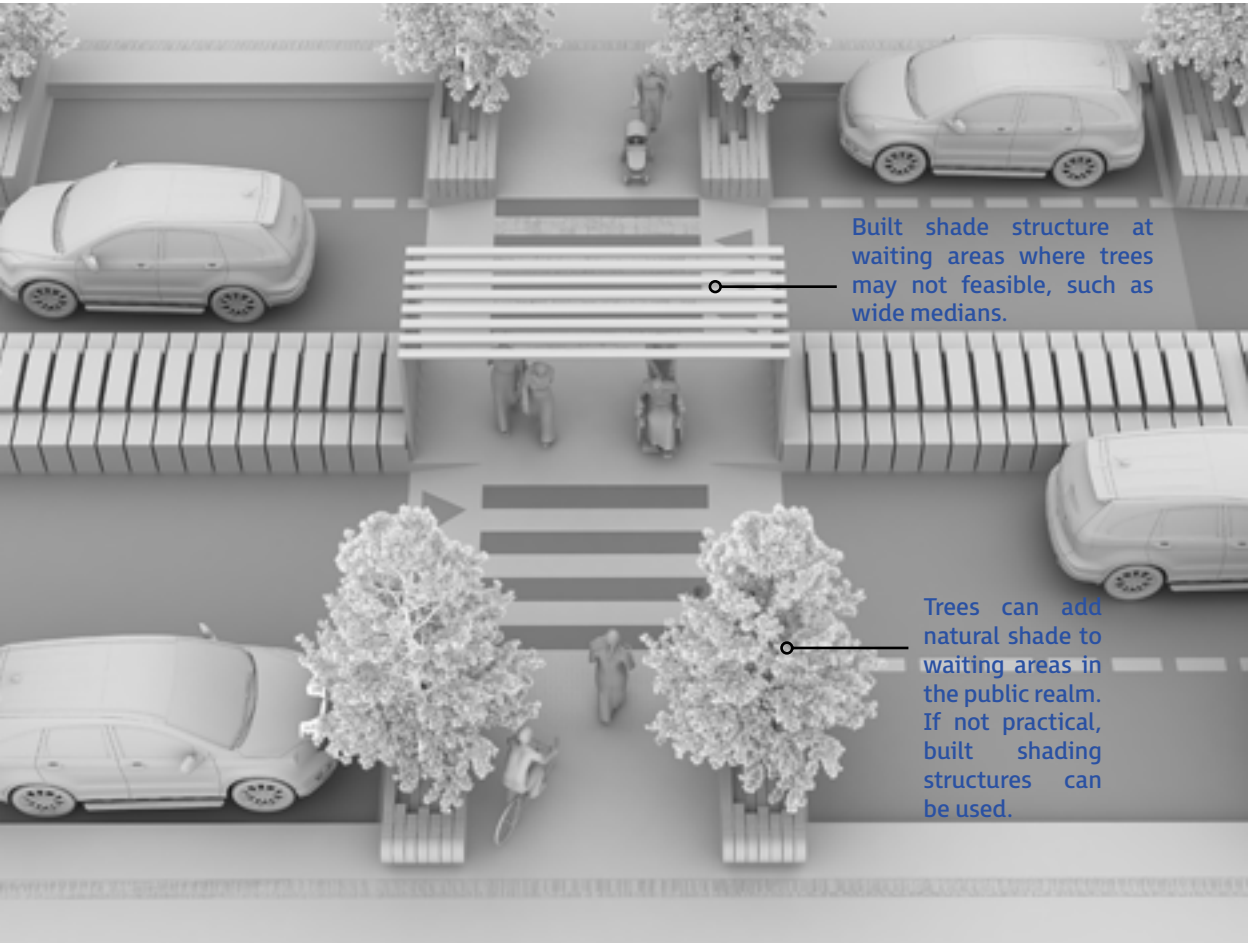


Figure 20 / Shading

## 3.6 PARKS AND OPEN SPACES

THIS SECTION DEALS WITH THE DESIGN OF PARKS AND OPEN SPACES TO MEET THE NEEDS OF ALL USERS.

### PERFORMANCE OBJECTIVE

All aspects of the park and open space should be accessible to all users unless an exception has been given by DCCA on receipt of appropriate stakeholder correspondence from local disability groups that agree to the design of non-accessible facilities.

#### 3.6.1 MANDATORY PROVISIONS

The performance objectives for parks and open spaces will be satisfied if:

##### PARKING

1. Car parking shall meet the design requirements as set out in section 2.1. A minimum of 5% of total car parking spaces should be allocated for disabled users and all spaces should be located within 50m of a principal entrance.

##### PATHS AND TRAILS

1. All paths in parks shall be a minimum of 1.8m wide and meet the general provisions as set out in section 2.1.
2. Where there is a shared use path between cyclists and pedestrians this shall be a minimum of 3m wide.
3. Dedicated cycle tracks shall be a minimum of 3m wide.
4. A barrier shall be provided where there is a fall or access to water as set out in section 3.4.
5. Where board-walks are provided the maximum spacing between boards shall be 20mm.

##### FACILITIES

1. All toilet blocks and changing facilities shall contain accessible toilets that meet the requirements of section 4.5.
2. Any indoor facilities such as cafés and ticket areas shall meet the requirements as set out in section 4 of this document.

##### OUTDOOR SEATING AREAS

1. A minimum of 20% of tables shall have sufficient spaces to accommodate a pushchair or wheelchair users. The minimum space provided shall be 1200mm deep by 1800mm wide. The table surface should be a maximum of 760mm high. A minimum clearance underneath the table of 700mm in height and 500mm depth shall also be provided.

##### PLAY AREAS

1. All play areas shall include accessible play facilities that can be used by all. At least one piece of equipment at ground level should be universally accessible and recognised as such by the International Play Equipment Manufacturers Association (IPEMA).
2. At least 50% of play areas within a park shall be provided with a solid impact attenuation surface to make them fully accessible. Access to these play areas will need to meet the requirements of this document in relation to paths and levels.
3. For those play areas with loose impact attenuating surface such as sand or bark a level space should be provided at the edge of the space with a minimum dimension of 1200mm deep by 1800mm wide.

##### BEACH ACCESS

1. An accessible access to public beaches shall be provided every 1km. The access should extend to high tide point and be served by accessible car parking. A minimum of 5 spaces shall be provided at each accessible point. The point shall be clearly signed.

##### OFF-ROAD AND EXTREME SPORTS FACILITIES

1. The provision of off-road facilities such as bmx and mountain bike facilities should be done in consultation with local stakeholders to ensure that there is an understanding of the facility and potential use by both the developer and the community.