

## **SOCIAL INCLUSION PRINCIPLES FOR TRANSPORT ENGINEERS**

**Disability Discrimination Act (DDA) 1992 Disability Standards for  
Accessible Public Transport Principles (DSAPT) 2002**

Legislated Commonwealth Government standards (based largely on AS 1428) and user requirements within the Commonwealth Discrimination Disability Act, to provide access for people with disabilities without discrimination.

### **Summarised DSAPT Principles:**

#### **1. Access paths**

Provide a continuous path of travel - without gaps or steps, at least 1200mm min wide, clear of all obstacles (bollards, bins, seats, shelters etc) and at gentle slopes less than 1 in 14, with a safe and non-slip surface.

#### **2. Circulation**

Provide enough space for people using wheelchairs and scooters to turn, manoeuvre, pass each other, wait and travel about the community  
Build lifts, doors and toilets with dimensions to accommodate people with mobility aids, prams etc (AS 1428)

#### **3. Furniture and fittings**

Design furniture and fittings such as seats and counters with various heights to accommodate people of all sizes, and provide aids such as arm rests. Design for people with limited mobility, reach and dexterity. Consider the design of handles, buttons and levers to assist people with limited reach and hand dexterity.

#### **4. Handrails and grab rails**

Provide them where helpful

#### **5. Stairs**

Build stairs with dimensions that are comfortable and safe to use (dimensions, profiles, colour contrast nosing)

#### **6. Resting points**

Provide seats every 60m for people to rest

## **7. Information and Signs**

Provide useful signs in large letters dark on a light background. Provide information, signage, symbols and warnings in formats that suit people with vision and hearing impairment

## **8. Lighting**

Provide good levels of lighting for accessibility particularly where people need to read or manage tickets or machines, and safety.

## **9. TGSi's and colour contrast**

Install TGSi's and colour contrast to assist people with vision impairment find their way around safely.

## **References**

- Accessible Public Transport in Victoria: Action Plan 2006 – 2012
- DoT web site
- Commonwealth Attorney General and Australian Human Rights Commission web sites
- AS Australian Standards 1428 series.

## **Other Guidelines**

### **Universal Access Principles**

- Design to accommodate the needs of everyone in the community.

### **Design for Community Safety Principles:**

- Eg Concentrate access paths into locations of activity and surveillance to enhance interaction and safety.

## **For further information**

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