

# DESIGN GUIDELINES FOR PUBLIC TRANSPORT FACILITIES

**S NAUDÉ, J JONES and P LOUW**

HHO Africa Infrastructure Engineers, P.O.Box 6503, Roggebaai, 8012  
\*Piet Louw Architects, Urban Designer and Planner, P.O. Box 15066, Vlaeberg,8018

## ABSTRACT

### 1. BACKGROUND

The Design Guidelines For Public Transport Facilities project forms part of the Public Transport Planning, Design and Implementation Programme of the City of Cape Town. This programme is intended to form the basis of the a approach and aimed ultimately to effect the fundamental restructuring of public transport networks, services and facilities (the Mobility Strategy). This strategy was focused on the transformation and restructuring of public transport in Cape Town, with particular emphasis on:

- Placing public transport, people and quality of life first
- Integrating of all modes of public transport – rail, bus, mini-bus taxis, non-motorised transport (NMT) and not excluding cars, freight and business
- Pursuing sustainable transport through investment in low cost forms of mobility

The Design Guidelines for Public Transport Facilities project has set the following objectives:

- Develop a practical guide for the process of designing facilities;
- Establishing an approach towards public transport interchange or facility design which considers it in its total urban context;
- Take into account the requirements of recapitalisation vehicles;
- Learn from the performance of recently constructed facilities, to build on positive, and avoid negative experiences; and
- Focus on the needs of pedestrians as the basic functioning component at public transport stops and interchanges.

### 2. THE NATURE OF INTERCHANGE

#### 2.1 The urban meaning of interchange

While interchanges play an important functional role in transportation management, they are also very important elements of urban structure and need to be used structurally to improve the performance of the city.

From a design perspective, they have a number of characteristics which need to inform their conceptualisation:

- They are **people places**: they are significant places of gathering and the generation of pedestrian flows.
- They are **places of waiting**: comfort is therefore a central design issue.

# Design Guidelines For Public Transport Facilities Upspace

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## **Design Guidelines For Public Transport Facilities Upspace:**

**Architectural Graphic Standards** American Institute of Architects, Keith E. Hedges, 2017-03-29 ARCHITECTURAL GRAPHIC STANDARDS THE LANDMARK UPDATE OF THE MOST RECOGNIZED STUDENT RESOURCE IN ARCHITECTURE The Student Edition of the iconic Architectural Graphic Standards has been a rite of passage for architecture building and engineering students for more than eighty years Thoughtfully distilled from the Twelfth Edition of Architectural Graphic Standards and reorganized to meet the specific needs of today s students this fully updated Student Edition shows you how to take a design idea through the entire planning and documentation process This potent resource stays with you through your academic experience and into your first years as a professional with thousands of useful illustrations and hundreds of architectural elements conveniently placed at your fingertips Presented in a format closely resembling an architect s actual workflow this Twelfth Edition student handbook features Completely new material on resiliency in buildings A versatile treatment written for the design studio setting and aligned with the most current curricular trends including new and updated coverage on topics related to sustainability digital fabrication and building information modeling BIM A proven pedagogy that saves students time and ensures young professionals avoid the most common pitfalls Develop a state of the art mastery of design best practices with Architectural Graphic Standards Twelfth Edition Student Edition **Access for Everyone** Arvid E. Osterberg, 2010 *Automotive Industries*, 1926 Vols for 1919 include an Annual statistical issue title varies *Building Type Basics for Transit Facilities* Kenneth W. Griffin, Stephen A. Kliment, 2004-05-04 Publisher Description

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**Barrier-free public transport in Germany**, 2003

*Accessible Design Review Guide* Robert R. Grist, 1996 A new and innovative approach to both designing and analyzing proposed and existing facilities for ADAAG compliance With its emphasis on physical accessibility the Americans with Disabilities Act Accessibility Guidelines ADAAG have far reaching implications for the design or renovation of virtually all public use buildings and sites in the United States Yet there has been little guidance on how to design and review the drawings and specifications of an existing or proposed facility to assess its ADAAG compliance This invaluable reference provides such guidance at last for architects interior designers landscape architects engineers builders planners facilities managers specification writers construction code officials teachers and students as well as individuals concerned with access issues The authors present the ADAAG in an easily understandable format grouping ADAAG criteria into detailed checklists for specific interior and exterior spaces such as offices classrooms retail shops restaurants restrooms and parking garages This sensible approach makes the review process of any room building or site highly manageable For additional convenience the presentation parallels the design process from schematic design through construction documents including detail schedule and specification review Complete with review forms checklists graphics and other information necessary to ensure ADAAG compliance this thorough guide will prove invaluable to everyone involved with the design or retrofit of accessible buildings and sites

*Delhi Urban Environment and Infrastructure Improvement Project (DUEIIP)*, 2001

**Automatic for the City** Riccardo Bobisse, Andrea Andrea Pavia, 2019-08-20 How will automated vehicles change our lives Where are the opportunities and challenges Future streets require planning today This timely book envisions ways in which changes to urban mobility and technology will transform city streetscapes and importantly how cities can prepare It is a reflection on the relationship between new technologies and urbanism as well as an agile urban design manual with pictures illustrating potential spatial arrangements enabled by the new technologies Two case studies in the central urban cores of London and Los Angeles will be presented to show how neighborhoods can be redesigned for the better and how to apply good urban design principles across towns and cities worldwide

**Time-Saver Standards for Architectural Design** Michael J. Crosbie, Donald Watson, 2005-01-06 Since its

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## **Design Guidelines For Public Transport Facilities Uospace** Book Review: Unveiling the Power of Words

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