

A Guide to the Active Travel Design Guide

Introduction

The purpose of this guide is to provide an index to the comprehensive (It's 420 pages.) *Active Travel Design Guide* (ATDG) so that items of interest can easily be found.

The ATDG comprises 11 chapters which are grouped into three parts: A, B and C. These are followed by four appendices: A, B, C and D.

A brief summary of each chapter and the appendices is given first. This is followed by the index: the key part of this guide.

Note: Contrary to the practice in the ATDG I have only used capitals for 'proper' nouns when quoting headings.

Part A – General principles

1. Introduction (p.10-14)

Sets out why the Welsh Government is promoting active travel, how the Active Travel (Wales) Act 2013 (ATA) will work, its role, status and use, and how it will be kept up to date.

Here the three categories: 'Standard', 'Suggested' and 'Possible' to be applied to *Design Elements* are introduced. They are denoted graphically by respectively a full, two thirds and one third segment of a circle. They feature in Appendix A.

2. Legal and policy frameworks (p.15-22)

The provisions, definitions, powers and duties of the ATA are set out. These are related to the Highways and other Acts. Details are provided in Appendix D.

3. Involvement, engagement and consultation (p.23-28)

Provides guidance on how LAs should engage and consult with the public and other organisations.

Section B – User needs, planning and design

4. User needs (p.30-61)

Sets these out different needs of walkers, cyclists and the disabled and how to accommodate them.

5. Network planning (p.62-102)

Spells out the requirements for existing and integrated maps. The aims and requirements first for walking and then for cycle networks are detailed.

6. Designing for walking and cycling (p.103-190)

This is a key chapter covering the infrastructure design requirements which LA's are obliged to consider. It references the appropriate 'Design Element' numbers (DE001-DE055) given in Appendix A. It is to be read in conjunction with Chap. 4, 5, 8 & 10.

Section C – Related matters

7. Integration with other modes (p.192-197)

The focus is on how active travel should integrate with public transport.

8. Related facilities (p.198-226)

Continues the theme of Chap. 7, covering amongst other things cycle parking, signing and maintenance.

9. Creating, improving and managing highways (p.227-240)
Much about highways in general. It includes the need to consider active travel from the outset. Also more on maintenance. Refers to *Manual for Streets*.
10. Construction, maintenance and management (p.241-264)
Covers foot/cycle path construction and surfacing; more on maintenance. Notes the need to meet the requirements of *The Design Manual for Roads and Bridges*.
11. Monitoring and Evaluation (p.265-272)
Sets out why this is necessary and how to go about it.

Appendix A – Design elements (p.265-385)

The 'Design Elements' DE001-DE055 follow an explanatory note. Each of these comprises explanatory text followed by one or more engineering drawings.

Appendix B – Walking route audit tool (p.387-394)

A table provides a list of items to be considered. Each is scored 0 (poor), 1 (adequate) or 2 (good) which when summed provides a total score. A score of less than 70% will require further improvement before the route can be included in an *Existing* or *Integrated* network map.

Appendix C – Cycling route audit tool (p.395-406)

As Appendix B.

Appendix D – Legal procedures (p.407-420)

Details these, relating them to other Acts.

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Note: "-" means "to". eg "6.50-52" means "sections 6.50, 6.51 and 6.52 "; "p.53-57" means "pages 53 to 57 inclusive"; "DE036-038 means "DE036, DE037 and DE038".

Advance stop lines: 6.57 (p.173-175), DE050.

Audits

Cycle: Appx C.
Pedestrian: 5.6 (p.76-80), Appx B.

Bridges (and subways)

General: 10.18 (p.261).
Headroom: 4.12 (p. 49).
Ped./Cycle: 6.50-6.52 (p.167-169), DE046-047.

Crossings

Cycle Ped-X: 6.42.3 (p. 161) DE044.
General: 6.35-6.36 (p.152-156), 6.43-6.49 (p.162-167), DE036-038, DE043.
Pedestrian: 6.37-6.43 (p.157-163).
Side roads: 6.23 (p.133), 6.28 (p. 138), DE016, DE025-026.
Toucan: 6.42.4 (p. 161). DE045.
Zebra: 6.41 (p.160) DE042.

Cycle/Cyclist

Crossings (See Crossings.)

Counters: 8.13 (p.226).
Gradients: 4.14 (p.51-53).
Headroom: 4.12 (p.49).
Hire (and hubs): 7.5 (p.195-196).

Lanes/tracks

Advisory: 4.18 (p.59), 6.21 (p.132), 6.23-24 (p.133-134), 9.5 (p.239), DE014.
General: 4.14-15 (p.53-55), 4.18 (p.58-59), 6.2 (p.105), 6.13 (p.125),
6.21-6.30 (p.132-141), 6.33 (p.149).
DE015-019, DE021-028, DE032-034, DE052.
Mandatory: 6.21 (p.132-133), 6.23 (p.133), 9.5 (p.239), DE013.
Parking: 8.9 (p.208-218).
Space req'd: 4.11 (p.47-49), 4.15-17 (p.53-57).
Speeds: 4.13 (p.49-51).
Cycle streets 6.20 (p.131-132) DE012.
Visibility req'd: 4.13 (p.49-51).

Footpaths/ways: (See Pedestrians: Routes.)

Lanes/tracks

Bus: 6.34 (p.151), DE035.
Contraflow: 6.17 (p.129), DE009-010.
Cycle: (See Cycle/Cyclist: Lanes/tracks.)
Surfaces: 4.19 (p.59).
Traffic: 4.16-18 (p.56-59), 6.4 (p.106-107), 6.14 (p.126-128).

Maps

Existing: 1.2 (p.12), 2.1 (p.15), 3.1(p.23), 5.2 (p.63), 5.8.33 (p.92), 5.8.54 (p.97).
Integrated: 1.5 (p.13), 2.1 (p.15,19), 3.1(p.23), 5.3-8 (p.64-101).

Pedestrians

Casualties: 4.9 (p.44).

Routes: 4.2-7 (p.31-41), 5.6 (p.75-78), 6.12 (p.120-121), 10.4-5 (p.242-243), DE001-004.

Quiet Streets: 6.19 (p.131) DE011.

Roads and Bridges: Design Manual: 1.2 (p.11), 4.13 (p.51), 6.70 (p.185-187) DE046-047, DE054-055.

Roundabouts: 6.68-74 (p.183-188), DE054-055.

Segregation: 5.8 (p.86-87). Photo 6.1 (p.107), 6.11 (p.117-120), 6.13 (p.124-126), 6.17 (p. 129), 6.25 (p.134-135), 6.27 (p.137), Photo 6.22-6.33 (p.168-169), DE09, DE018-020, DEs 023-024, DE032-033.

Shared use: 6.11 (p.117), DE024, DE031, DE033, DE036.

Subways (See Bridges.)

Tactile paving: 6.2 (p.105), 10.7 (p.245-247).

Walkers (See Pedestrians.)

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This index is a one man effort and there is, no doubt, room for improvement in both the choice of search words and/or in the sections/pages referenced. The author would appreciate suggestions. His email is davidjohnnaylor@sky.com.