

Chapter 4 Amendments–December 2005

Revision Register

4

Issue/ Rev No.	Reference Section	Description of Revision	Authorised by	Date
1	-	First Issue.	Steering Committee	Oct 2000
2	4.3.1	A paragraph on investment strategies added (last paragraph).	Steering Committee	Aug 2001
	4.6.1	Table 4.1 modified.		
	New	Relationship to other Chapters.		
3	All	Complete Chapter reviewed	Steering Committee	Aug 2004
	4.7	New Section – “Rehabilitation/Reconstruction/Restoration”		
4	Title	Name of Chapter changed from “Application of Design Principals and Standards” to “Application of Design Principals and Guidelines”	Steering Committee	Dec 2005
	List of Tables and List of Figures	List of Tables and List of Figures added.		
	Glossary (new)	Glossary added.		
	Various sections	Term “standard” changed to “design criteria”, “design parameter” or “design value” where appropriate. Term “desired speed” introduced for the term “speed environment” (the two are largely analogous). Terms “operating speed” and “target speed” introduced where appropriate. Some minor amendments to various sections. References throughout updated where required. References to new Appendices included where appropriate.		

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4	Various sections continued	References to the "National Highway" deleted. Where appropriate these references were amended to "Auslink National Network Road Link" or "National Network Road Link". References to the "District Roads" deleted. Where appropriate these references were amended to "Local Roads of Regional Significance" or "LRRS".	Steering Committee	Dec 2005
	Section 4.1	Text added including text in related to the "Design Domain", "Normal Design Domain" and "Extended Design Domain".		
	Sections 4.2.2, 4.3.2 and 4.4.2	Title of sections changed to include "target speed" and "operating speed". Terms "desired speed", "target speed", "operating speed" and "design speed" included where appropriate. Associated text amended to reflect this. Text in Section 4.3.2 amended substantially.		
	Table 4.1	Table caption changed. Notes to table amended. Correction made to desired speed for an outer urban road. Terms "desired speed", "target speed" and "design speed" included.		
	Table 4.2	Table caption changed. Contents of, and notes to, table amended. Correction made to desired speed for an outer urban road. Terms "desired speed", "target speed" and "design speed" included.		
	Figure 4.3	Directional arrows corrected.		
	Sections 4.3.4, 4.3.5 and 4.3.6	Titles of subsections amended. Substantial amount of new text added to Section 4.3.4. Text amended in and/or added to Sections 4.3.5 and 4.3.6.		
	Section 4.4.6	Sub-section renamed from "Intersection spacing" to "Intersection spacing and control". Text added to "Median openings" subsection. Sub-section renamed from "One-way streets" to "One-way roads".		

4

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4	Section 4.4.6 continued	Sub-section renamed from "Reverse flow and tidal traffic" to "Reverse flow/tidal traffic flow" Text added to "Cyclists" subsection. Text added to "Parking" subsection.	Steering Committee	Dec 2005
	Figure 4.4	Caption amended.		
	Section 4.5	New paragraph added. Remaining text deleted because the National Highway scheme no longer exists.		
	Section 4.6 (new)	New Section added. It discusses the Auslink National Network Road Links.		
	Tables 4.4 and 4.5	Table captions changed. Contents of, and notes to, tables amended.		
	Section 4.6 (old) / 4.7 (new)	Former section renumbered – changed from 4.6 to 4.7. Subsections renumbered accordingly. Text added to subsections.		
	Section 4.6.3 (old)/ 4.7.3 (new)	Former section renumbered – changed from 4.6.3 to 4.7.3. Text added regarding geometric and pavement design where/if continuous frontage roads are to be used in maintenance operations. Reference included to local area traffic management devices also included. Sub-section renamed from "Maintain local traffic circulation" to "Maintain local traffic circulation in residential areas". Sub-section renamed from "Provide access to properties fronting the motorway" to "Provide access to properties fronting a motorway or other major road". Sub-section renamed from "Collect traffic destined for a motorway and distribute traffic from a motorway" to "Collect traffic destined for a motorway or other major road and distribute traffic from a motorway or other major road". Sub-section renamed from "Collect and distribute traffic crossing a" to "Collect and distribute traffic crossing a motorway or other major road". This sub-section was also moved to later in Section 4.7.3.		

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4	Figures 4.12, 4.13 and 4.14	Figure captions changed.	Steering Committee	Dec 2005
	Section 4.6.4 (old)/ 4.7.4 (new)	Former section renumbered – changed from 4.6.4 to 4.7.4. Text added stating that total carriageway width must also be suitable for expected operation. Remark that pavement design is a secondary consideration deleted. Various other significant text amendments. National Highway sub-section deleted (see above)/		
	Sections 4.7.3 (old)/ 4.8.3 (new)	Former section renumbered – changed from 4.7.3 to 4.8.3. Title of sections changed to include “target speed” and “operating speed”. Terms “desired speed”, “target speed”, “operating speed” and “design speed” included where appropriate.		
	Section 4.7 (old) / 4.8 (new)	Former section renumbered – changed from 4.7 to 4.8. Subsections renumbered accordingly. Section renamed from “Rehabilitation/ Reconstruction/Restoration” to “Restoration”.		
	Section 4.7.1 (old)/ 4.8.1 (new)	Former section renumbered – changed from 4.7.1 to 4.8.1. Subsections renumbered accordingly. Sub-section renamed from “Design element combination” to “Combination of design elements”. Sub-section renamed from “Existing accident history” to “Existing crash history”. Text amended significantly.		
	Section 4.7.2 (old)/ 4.8.2 (new)	Former section renumbered – changed from 4.7.2 to 4.8.2. Section renamed from “Essential requirements” to “Essential requirements and documentation”. Text amended.		

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4	Section 4.7.3 (old)/ 4.8.3 (new)	Title of section changed to include “target speed” and “operating speed”. Terms “desired speed”, “target speed”, “operating speed” and “design speed” included where appropriate. Associated text amended to reflect this. Remaining text also amended.	Steering Committee	Dec 2005
	Section 4.7.5, 4.7.6 and 4.7.7 (old)/ 4.8.5, 4.8.6 and 4.8.7 (new)	Text amended substantially.		
	Section 4.9	New section “Requirements for geometric assessment and choice of domain” added.		
	References	References added.		
	Appendix 4A	New appendix “Process to follow when using the Extended Design Domain for restoration projects” added.		
	Appendix 4B	New appendix “Guide for evaluating sight distance for roads using the Extended Design Domain” added.		
	Appendix 4C	New appendix “Guide for evaluating sight distance for intersections using the Extended Design Domain” added.		
	Appendix 4D	New appendix “Design Domain for cross sections” added.		
	Appendix 4E	New appendix “Guide for short length right turn lanes using the Extended Design Domain” added.		
Appendix 4F	New appendix “Guide for the Extended Design Domain for horizontal curves with adverse superelevation” added.			