

## Appendix E: List of possible standards and guidelines

Doc. Number	Title	Author	Year
<b>Control Devices - General</b>			
1	Traffic Regulations 1976		1976
2	Guide to Traffic Engineering Practice, Part 8: Traffic Control Devices	NAASRA	1988
<b>Control Devices - Signs</b>			
3	Manual of Traffic Signs and Markings: Part 1 - Traffic Signs	TNZ/LTSA	1992
4	RTS 1: Guidelines for the Implementation of Traffic Control at Crossroads	MoT	1990
5	RTS 2: Guidelines for Street Name Signs	MoT	1990
6	Standard for the Manufacture & Maintenance of Traffic Signs, Posts & Fittings	TNZ/RSMA	1995
<b>Control Devices - Markings</b>			
7	Manual of Traffic Signs and Markings: Part 2 – Markings	TNZ/LTSA	1994
8	RTS 4: Guidelines for Flush Medians	MoT/TNZ	1991
9	RTS 5: Guidelines for Rural Road Marking and Delineation	MoT/TNZ	1992
	Control Devices – Traffic Signals/Speed Limits/Temporary Traffic Management		
10	Code of Practice for Temporary Traffic Management	TNZ	2000
11	Guide to Traffic Engineering Practice, Part 7: Traffic Signals	Austrroads	1993
12	RTS 17: Guidelines for Setting Speed Limits	LTSA	1996
<b>Road Environment - Roads</b>			
13	Bituminous Sealing Manual	TNZ	1993
14	Design Guide for Assessing Freeze Thaw Effects on Pavements	TNZ	1995
15	Guide Policy for Geometric Design of Freeways and Expressways	NAASRA	1976
16	Guide to Cycle Facilities	NRB/UTC	1985
17	Guide to Stabilisation in Roadworks	Austrroads	1998
18	Guideline Procedures for Building Act 1991 – Draft December 1992		1992
19	Highway Surface Drainage: Design Guide for Highways with a Positive Collection System	NRB	1977
20	Management of Road Traffic Noise - State Highway Improvements		1994
21	NZS 4404: Code of Practice for Urban Land Subdivision	NZS	1981
22	Pavement Design: A Guide to the Structural Design of Road Pavements (plus) New Zealand supplement (May 2000)	Austrroads	1992
23	Road Medians	NAASRA	1984
24	RTS 9: Guidelines for the Signing and Laying out of Slip Lanes	LTSA/TNZ	1993
25	Rural Road Design: Guide to the Geometric Design of Rural Roads	Austrroads	1989
26	TR 11: Recommended Practice for Pedestrian Crossings	NRB	1988

Doc. Number	Title	Author	Year
<b>Road Environment - Bridges</b>			
27	Bridge Inspection and Maintenance Manual	TNZ	1991
28	Bridge Manual	TNZ	1994
29	Waterway Design: A Guide to the Hydraulic Design of Bridges, Culverts and Floodways	Austroroads	1994
<b>Road Environment - Intersections</b>			
30	Grade Separated Interchanges: A Design Guide	NAASRA	1984
31	Guide to Traffic Engineering Practice, Part 5: Intersections at Grade	Austroroads	1991
32	Guide to Traffic Engineering Practice, Part 6: Roundabouts	Austroroads	1993
33	Motorway Exits and Entrances: Geometric Details and Traffic Signs Plan 1/2000/77/7994/1	TNZ	1973
34	New Zealand On-road Tracking Curves	LTSA	1995
35	Road Design Guidelines RD-1 Intersections at Grade	TNZ	1991
36	Road Design Guidelines RD-2 Roundabouts	TNZ	1991
<b>Road Environment - Roadside</b>			
37	AS/NZS 1158.0: Road Lighting – Introduction	AS/NZS	1997
38	AS/NZS 1158.1.1: Road Lighting – Vehicle Traffic (Category V) lighting – Performance and installation design requirements	AS/NZS	1997
39	AS/NZS 1158.1.3: Road Lighting – Vehicle Traffic (Category V) Lighting – Guide to design, installation, operation and maintenance	AS/NZS	1997
40	AS/NZS 1158.3.1: Road Lighting – Pedestrian Area (Category P) lighting – Performance and installation design requirements	AS/NZS	1999
41	AS/NZS 3845: Road Safety Barrier Systems	AS/NZS	1999
42	Guidelines for Planting for Road Safety	TNZ	1991
43	NZS 6701: Code of Practice for Road Lighting	NZS	1988
44	RTS 11: Guidelines for Urban Roadside Barriers and Alternative Treatments	LTSA	1995
45	RTS 13: Guidelines for Service Stations	LTSA	1996
46	RTS 3: Guidelines for Establishing Rural Selling Places	MoT	1992
47	RTS 6: Guidelines for Visibility at Driveways	MoT	1993
48	RTS 7: Advertising Signs & Road Safety: Design and Location Guidelines	LTSA/TNZ	1993
49	RTS 8: Guidelines for Safe Kerblin Protection	LTSA/TNZ	1993
50	Safety Barriers: Consideration for the revision of safety barriers on Rural Roads	NAASRA	1987
<b>Road Environment - Safety</b>			
51	Accident Investigation Monitoring System - Coding Manual	MoT	1994
52	Accident Investigation Procedures	TNZ / MoT	1991
53	Accident Investigation Monitoring Analysis	LTSA	1996
54	Accident Investigation System Manual	LTSA	1994

<b>Doc. Number</b>	<b>Title</b>	<b>Author</b>	<b>Year</b>
55	Guide to Traffic Engineering Practice, Part 4: Road Crashes	NAASRA	1988
56	Guidelines for Auditing Existing Roads	Tfund	2000
57	Policy Guidelines for Traffic Accident Reduction and Prevention	TNZ / MoT	1990
58	Road Safety Audit	Austrroads	1994
59	Safety Audit Policy and Procedures	TNZ	1993
<b>Road Environment – Traffic Management / Parking</b>			
60	Guide to Traffic Engineering Practice, Part 1: Traffic Flow	NAASRA	1988
61	Guide to Traffic Engineering Practice, Part 2: Roadway Capacity	NAASRA	1988
62	Guide to Traffic Engineering Practice, Part 3: Traffic Studies	NAASRA	1988
63	Guide to Traffic Engineering Practice, Part 9: Arterial Road Traffic Management	NAASRA	1988
64	Guide to Traffic Engineering Practice, Part 10: Local Area Traffic Management	NAASRA	1988
65	Guide to Traffic Engineering Practice, Part 11: Parking	NAASRA	1988
<b>Road Environment – TNZ Specifications / LTSA Traffic Notes &amp; Information Sheets</b>			
66	TNZ Specifications	TNZ	1981 2000
67	Traffic Notes 1 to 38	LTSA	1998 2000
68	Road & Traffic Standards Information Sheets (1 to 38)	LTSA	1989 1995
<b>Road Users</b>			
69	Guide to Traffic Engineering Practice, Part 13: Pedestrians	Austrroads	1995
70	RTS 14: Guidelines for Installing Pedestrian Facilities for People with Visual Impairment	LTSA	1996
71	Guide to Traffic Engineering Practice, Part 14: Bicycles	Austrroads	1999
72	Guide to Traffic Engineering Practice, Part 15: Motorcycles	Austrroads	2000
73	Overweight Permit Manual	TNZ	1995
74	Overweight Permit Route Maps	TNZ	1994
<b>Process – Planning / Funding / Contracts / Quality</b>			
75	Competitive Pricing Procedures Manual: Volume 1 Physical Works & Professional Services	Tfund	1997
76	Competitive Pricing Procedures Manual: Volume 2 Passenger Transport	Tfund	1995
77	Conditions of Contract for Consultancy Services	ALGENZ TNZ/ACENZ IPENZ	2000
78	Contract Administration Manual	TNZ	1995
79	Evaluation Procedures for Alternatives to Rooding	Tfund	1997
80	Guide to Field Surveillance of Quality Assurance Contracts	Austrroads	1995
81	Health and Safety In employment Act 1993		

<b>Doc. Number</b>	<b>Title</b>	<b>Author</b>	<b>Year</b>
82	Highway Planning under the Resource Management Act 1991	TNZ	1991
83	Local Authority RAMM Operation Database Manual	Tfund	1997
84	NZS3910: Standard Conditions of Contract for Physical Works	NZS	1998
85	Planning Policy Manual	TNZ	1999
86	Professional Services Construction Project Proforma		1996
87	Programme and Funding Manual	Tfund	1996
88	Project Evaluation Manual	Tfund	1997
89	Quality Standard TQS1: 1995 for High QA Level Contracts	TNZ	1995
90	Quality Standard TQS2: 1995 for Normal QA Level Contracts	TNZ	1996
91	State Highway Asset Management Plan (draft)	TNZ	1997
92	State Highway Control Manual	TNZ	1994

### **Author abbreviations**

ACENZ	Association of Consulting Engineers New Zealand Inc.
ALGENZ	Association of Local Government Engineers of New Zealand
AS	Standards Australian
Austrroads	Association of Australian and New Zealand road transport and traffic authorities
IPENZ	Institution of Professional Engineers New Zealand
LTSA	Land Transport Safety Authority
MoT	Ministry of Transport
NAASRA	National Association of Australian State Road Authorities
NRB	National Roads Board
NZS	Standards New Zealand
RSMA	Road Safety Manufactures Association
Tfund	Transfund New Zealand
TNZ	Transit New Zealand

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