

VICROADS SUPPLEMENT

Standard drawings for roadworks: Table of contents

Table1: Revision History

Rev .No. Date Released	Section/ Update	Description of Revision	Authorised By
Rev. 1.0 July 2010	All sections	Update of references to RDG, RDNs, layout, general editing and headers and footers	ED – Network & Asset Planning
Rev. 1.1 Sept 2010	Various	Updates, addition (SD 2064, SD 2065, SD 2066, SD 2091-reissued) and withdrawal (SD 2061, SD 2062, SD 3611, SD 3621, SD 4082, SD 3181-temporarily) of standard drawings Table of Contents – Addition of notes and references on SDs	Principal Advisor - Road Design, Traffic & Standards
Rev. 1.2 August 2012	Guard Fence Kerbs Various	Updates to SD 3541, SD 3542, SD 3543, SD 3561, SD 3661, SD 3671, SD 3901, SD 4081, SD 4084, SD 4091, SD 4092, SD 4093. Reinstatement and update of SD 4082 Inclusion of Bridge Drawing 181347 All reviewed & updated New SD 2100, SD 2101, SD 2102, SD 2103 Withdrawal SD 2002, SD 2011, SD 2012, SD 2021 and SD 2052 New group – Access & Stopping Bays Miscellaneous general editing & corrections	Principal Advisor - Road Design, Traffic & Standards
Rev. 1.3 July 2013	Guard Fences & Barriers	Addition SD 3544, SD 3562-reissued Updates to SD 3501, SD 3511, SD 3521, SD 3542, SD 3543, SD 4083 Update to RDN 05-02, RDN 06-02, RDN 06-04	Manager Road Standards & Traffic
Rev. 1.4 August 2013	Guard Fences & Barriers Posts & Fences	Addition SD 3545 Updates to SD 3131	Manager Road Standards & Traffic

Rev .No. Date Released	Section/ Update	Description of Revision	Authorised By
Rev. 1.5 May 2015 DRAFT	Road Safety Barriers RDN	Addition of: SD 3500, SD 3503 Updates to: SD 3501, SD 3502, SD 3511, SD 3521, SD 3544, SD 3545, SD 3571, SD 3573, SD 3661, SD 4083, SD 4302 and SD 4311. Removal/Suspend of: SD 3531, SD 3541, SD 3542, SD 3443, SD 3551, SD 3561, and SD 4301. Addition of: RDN 06-08, RDN 06-09, RDn 06-10, RDN 06-11 and RDN 06-12. Update to: RDN 03-01, RDN 06-02, RDN 06-04 and RDN 06-05.	Road Standards & Traffic
Rev. 1.6 July 2017	Road Safety Barriers RDN	Addition of: SD 4201, SD 4202 Updates to: SD 3503A, SD 3544B, SD 3545B, SD 3562B Removal/Suspend of: SD 3181. Addition of: RDN 03-07, RDN 06-12	Road Standards & Traffic
Rev. 1.7 October 2018	Managed Motorway	Addition of Managed Motorway Section: SD 6001A, SD 6002A, SD 6003A, SD 6101A, SD 6102A, SD 6201A Addition of: RDN 03-08, RDN 03-09, RDN 06-13	Principal Advisor Road Design & Traffic Manager Safe System Engineering

NOTE:

This VicRoads Supplement must be read in conjunction with the Austroads Guide to Road Design.

Reference to any VicRoads or other documentation refers to the latest version as publicly available on the Vicroads website or other external source.

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This VicRoads Supplement has been developed by VicRoads Technical Consulting and authorised by the Executive Director – Network and Asset Planning.

The VicRoads Supplement to the Austroads Guide to Road Design provides additional information, clarification or jurisdiction specific design information and procedures which may be used on works financed wholly or in part by funds from VicRoads beyond that outlined in the Austroads Guide to Road Design guides.

Although this publication is believed to be correct at the time of printing, VicRoads does not accept responsibility for any consequences arising from the information contained in it. People using the information should apply, and rely upon, their own skill and judgement to the particular issue which they are considering. The procedures set out will be amended from time to time as found necessary.

VicRoads Supplement – Standard Drawings for Roadworks

Current Standard Drawings are as indicated in Table 2: Table of Contents below. Changes to the Standard Drawings can be found on the drawing.

Any reference to any document or Australian or New Zealand Standard (AS/NZS) refers to the latest version as publicly available on the VicRoads website or other external source.

PRESCRIBED REFERENCES

1. AGRD – Austroads Guide to Road Design (Parts 1 – 8)
2. VRS – VicRoads Supplement to the AGRD
3. SD - VicRoads Standard Drawings for Roadworks
4. VicRoads Standard Specifications for Roadworks and Bridgeworks
5. RDNs – Road Design Notes
6. AGPT – Austroads Guide to Pavement Technology (Parts 1 – 10) and VicRoads Supplements
7. AGAM – Austroads Guide to Asset Management (Parts 1 – 10) and VicRoads Supplements
8. ITS SD – VicRoads Intelligent Transport Systems Standard Drawing
9. TEM Vol1/TEM Vol2 – VicRoads Traffic Engineering Manual Volume 1 & Volume 2

Note: VicRoads documents are available free on the VicRoads website and can be searched on the Technical Documents Search page.

<https://www.vicroads.vic.gov.au/business-and-industry/technical-publications/technical-publications-search>

<https://www.vicroads.vic.gov.au/business-and-industry/technical-publications/road-design>

<https://www.vicroads.vic.gov.au/business-and-industry/technical-publications/standard-drawings-for-roadworks>

Table 2: Table of Contents

Drawing No.	Title	Date Last Updated	Cross/References Comment
PITS			
SD 1001C	Pit Dimensioning and Setting Out Details	01/08/02	SD 1011, SD 1021, SD 1041, SD 1051, SD 1101, SD 1102, SD 1111, SD 1112, SD 1121, SD 1131, SD 1141, SD 1231, SD 1271, SD 1272, SD 1281, SD 1282, SD 1291, SD 1301, SD 1311, SD 1321, SD 1322, SD 1401, SD 1411, SD 1421, SD 1431, SD 1441, SD 2001 Reference to SD 2002 shall be amended to SD 2100 &/or SD 2103
SD 1002B	Pit and Pipe Invert Levels	01/08/02	Note 3: Reference to RDN 9-6A shall be amended to RDN 5-01. SD 1001, SD 1011, SD 1021, SD 1051
SD 1011D	Unhaunched Pits	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1021, SD 1041, SD 1051
SD 1021C	Haunched Pits	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1041, SD 1051
SD 1022A	Double Haunched Pit Type A	01/07/05	AS1379 AS/NZS4671 AS/NZS4680 SD 1041
SD 1023A	Double Haunched Pit Type B	01/07/05	AS1379 AS/NZS4671 AS/NZS4680 SD 1041, SD 1051
SD 1041C	Step Irons	01/07/05	AS3679 AS4198 AS/NZS4680 SD 1011, SD 1021
SD 1051D	Pit Covers	01/09/10	AS3600 AS3996 VR Specification Section 610 & Section 611 SD 1011, SD 1021, SD 1281
SD 1061C	Lintels	01/07/05	AS1379 VR Specification Section 611 SD 2001
SD 1101B	Inlet Catch Pit (Type 1) - Pipe Culverts 300 to 600 Dia.	01/02/98	AS1379 SD 1001, SD 1051
SD 1102A	Inlet Catch Pit (Type 2) - Pipe Culverts 300 to 600 Dia	01/02/98	AS1379 SD 1001, SD 1051
SD 1111C	Inlet Catch Pit (Type 1) - Box Culverts 150 to 300 High	01/07/05	AS1379 SD 1001, SD 1051
SD 1112B	Inlet Catch Pit (Type 2) - Box Culverts 150 to 300 High	01/07/05	AS1379 SD 1001, SD 1051
SD 1121C	Junction Pit - Concrete Cover	01/07/05	AS1379 AS5100 VR Specification Section 701 SD 1001, SD 1011, SD 1021, SD 1041, SD 1051, SD 1131
SD 1131C	Junction Pit - Cast Iron Cover	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1051, SD 1121

SD 1141C	End Entry Pit	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1041, SD 1051
SD 1231C	Side Entry Pit (CD2 Channel) - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1051, SD 1061
SD 1271C	Side Entry Pit (SM Kerb) Cast Iron Cover - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1272C	Side Entry Pit (B Type Kerb) Cast Iron Cover - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1281C	Side Entry Pit (SM Kerb) Cast Iron Cover in Road - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1282C	Side Entry Pit (B Type Kerb) Cast Iron Cover in Road - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1291C	Side Entry Pit (SM Kerb) Cast Iron Cover in Road - 1.5 Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1301C	Side Entry Pit Concrete Cover - One Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1051, SD 1061, SD 1271, SD 1272
SD 1311C	Side Entry Pit (SM Kerb) Concrete Cover - 1.5 Metre Inlet	01/07/05	AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1051, SD 1061, SD 1271
SD 1321E	Grated Side Entry Pit (SM Kerb) - One Metre Inlet	01/07/05	AS1379 AS1650 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1322E	Grated Side Entry Pit (B Type Kerb) - One Metre Inlet	01/07/05	AS1650 AS1379 AS/NZS4671 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1061
SD 1401C	Grated Pit - Footways	01/08/02	AS1379 AS/NZS4680 SD 1001
SD 1411F	Grated Pit - Depressed Steel Grate	01/07/05	AS1379 AS/NZS4671 AS/NZS4680 AS5100 SD 1001, SD 1011, SD 1021, SD 1041, SD 1431
SD 1421D	Grated Pit - Concrete Grate	01/07/05	AS1379 AS/NZS4671 AS5100 VR Specification Section 610 SD 1001, SD 1011, SD 1021, SD 1041

SD 1431E	Grated Pit - Flush Steel Grate	01/8/02	AS1379 AS/NZS4680 SD 1001, SD 1011, SD 1021, SD 1041
SD 1441C	Grated Pit - Open-Graded Asphalt Surface	01/08/02	AS1379 AS/NZS4680 SD 1001, SD 1011, SD 1021, SD 1041, SD 1431, SD 5401
SD 1501C	Grated Trench	01/07/05	AS1379 AS3996 AS/NZS4680 AS/NZS4671 SD 1051, SD 1131, SD 2001, SD 3901
SD 1511B	Installation Conditions - Rigid Pipes	01/07/05	AS3725 VR Specification Section 701
SD 1521A	Catch Drain - Type A	16/09/94	
SD 1531B	Catch Drain - Type B	01/10/99	
SUBSURFACE DRAINS			
SD 1601D	Subsurface Drain - Types	01/08/02	SD 1611, SD 1621, SD 1622, SD 1631, SD 1641
SD 1611D	Subsurface Drain - Pits	01/09/10	AS1379 AS3600 AS3996 VR Specification Section 611 & Section 610 SD 1041, SD 1121, SD 1131, SD 1601, SD 1621, SD 1631, SD 1641
SD 1621D	Subsurface Drain - Location	01/07/05	VR Specification Section 204 SD 1601, SD 1611, SD 1622, SD 1631, SD 1641, SD 5352, SD 5381, SD 5421
SD 1622B	Pavement Drain - Alternative Methods	01/08/02	SD 1601, SD 1611, SD 1621
SD 1631E	Pavement Drain - Terminals	01/07/05	Note 10: Reference to Technical Bulletin No. 32 shall be amended to AGPT Part 10 AS1379 SD 1601, SD 1611, SD 1621, SD 1641
SD 1641A	Pavement Drain - Alternative Arrangements	01/07/95	SD 1601, SD 1611, SD 1621, SD 1631
CULVERTS			
SD 1700	Culvert Inlet and Outlet Structures - Selection Guide	01/02/95	SD 1701, SD 1801, SD 1811, SD 1821, SD 1831, SD 1841, SD 1851, SD 1861, SD 1881, SD 1891, SD 1901, SD 1911, SD 1921, SD 1931, SD 1941, SD 1951, SD 1961, SD 1971, SD 1981, SD 1991, SD 1992
SD 1701B	Drop Inlet - Type 1	01/02/98	Reference to AS1304 shall be amended to AS/NZS4671 AS1379 SD 1700, SD 1801, SD 1811, SD 1821, SD 1831, SD 1841, SD 1842, SD 1851, SD 1852, SD 1861, SD 1862, SD 1981
SD 1801A	Grouted Masonry Endwall	01/02/95	SD 1700
SD 1811B	Mass Concrete Endwall - Pipe Culverts 300 to 525 Dia	01/02/98	Note 4: Reference to SD 1812 shall be deleted AS1379 AS3600 VR Specification Section 611 & Section 701 SD 1700
SD 1821B	Mass Concrete Endwall - Pipe Culverts 600 to 900 Dia	01/02/98	Note 5: Reference to SD 1822 shall be deleted AS1379 AS3600 VR Specification Section 611 & Section 701 SD 1700

SD 1831B	Mass Concrete Endwall - Box Culverts 225 to 450 High	01/02/98	Note 5: Reference to SD 1832 shall be deleted AS1379 AS3600 VR Specification Section 611 & Section 701 SD 1700
SD 1841C	Mass Concrete Wingwall Types 1, 2 & 3 - Box Culverts 450 to 900 High	01/07/05	AS1379 AS3679 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1842
SD 1842	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Box Culverts 450 to 900 High	01/02/95	SD 1841
SD 1851C	Mass Concrete Wingwall Types 1, 2 & 3 - Pipe Culverts 300 to 525 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1852
SD 1852	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Pipe Culverts 300 to 525 Dia	01/02/95	SD 1851
SD 1861C	Mass Concrete Wingwall Types 1, 2 & 3 - Pipe Culverts 600 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1862
SD 1862	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Pipe Culverts 600 to 2100 Dia	01/02/95	SD 1861
SD 1881C	Mass Concrete Wingwall Types 1, 2 & 3 - Skew Pipe Culverts 600 to 1200 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700
SD 1882	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Pipe Culverts 600 to 1200 Dia	01/02/95	SD 1881
SD 1891C	Mass Concrete Wingwall Types 1, 2 & 3 - Skew Pipe Culverts 1350 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1892
SD 1892	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Pipe Culverts 1350 to 2100 Dia	01/02/95	SD 1891
SD 1901C	Mass Concrete Wingwall Types 1, 2 & 3 - Skew Multiple Pipe Culverts 600 to 1200 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1902
SD 1902	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Multiple Pipe Culverts 600 to 1200 Dia	01/02/95	SD 1901
SD 1911C	Mass Concrete Wingwall Types 1, 2 & 3 - Skew Multiple Pipe Culverts 1350 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1912
SD 1912	Mass Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Multiple Pipe Culverts 1350 to 2100 Dia	01/02/95	SD 1911

SD 1921C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Pipe Culverts 300 to 525 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1922
SD 1922	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Pipe Culverts 300 to 525 Dia	01/02/95	SD 1921
SD 1931C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Pipe Culverts 600 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1932
SD 1932	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Pipe Culverts 600 to 2100 Dia	01/02/95	SD 1931
SD 1941C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Skew Pipe Culverts 600 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1942
SD 1942	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Pipe Culverts 600 to 2100 Dia,	01/02/95	SD 1941
SD 1951C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Skew Multiple Pipe Culverts 600 to 1200 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1952
SD 1952	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Multiple Pipe Culverts 600 to 1200 Dia	01/02/95	SD 1951
SD 1961C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Skew Multiple Pipe Culverts 1350 to 2100 Dia	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1962
SD 1962	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Skew Multiple Pipe Culverts 1350 to 2100 Dia	01/02/95	SD 1962
SD 1971C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Box Culverts 225 to 450 High	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1972
SD 1972A	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Box Culverts 225 to 450 High	01/07/05	SD 1971
SD 1981C	Reinforced Concrete Wingwall Types 1, 2 & 3 - Box Culverts 600 to 900 High	01/07/05	AS1379 AS3600 AS/NZS4671 VR Specification Section 701 SD 1700, SD 1982
SD 1982	Reinforced Concrete Wingwall (Quantities) Types 1, 2 & 3 - Box Culverts 600 to 900 High	01/02/95	SD 1981
SD 1991A	Driveable Culvert Endwalls Type 1 - Pipe Culverts Up To 600 mm Dia. and Box Culverts up to 600 mm Wide	01/02/98	AS1379 AS3600 VR Specification Section 701
SD 1992A	Driveable Culvert Endwalls Type 2 - Pipe Culverts Up To 600 mm Dia. and Box Culverts up to 600 mm Wide	01/02/98	AS1329 AS3600 VR Specification Section 701

KERBS			
SD 2001E	Barrier, Semi-Mountable & Mountable	30/06/12	Updated AS1379 AS2876 AS3600 VR Specification Section 703 AGRD Part 3 & VRS RDN 03-01
SD 2002B	Withdrawn	30/06/12	Refer to SD 2100 and/or SD 2103
SD 2011B	Withdrawn	30/06/12	Refer to SD 2101 and/or SD 2102
SD 2012B	Withdrawn	30/06/12	Refer to SD 2103
SD 2021A	Withdrawn	30/06/12	Refer to SD 2102 for transitions
SD 2063A	Residential Cul-De-Sac 5.0m Car & 8.8m Service Vehicle	30/06/12	Updated
SD 2100	Concrete Spiked Kerb & Edge Strip	30/06/12	New AS1379 AS2876 AS3600 AS3996 VR Specification Section 703
SD 2101	SM & CD4 Kerb Terminal Approach & Departure	30/06/12	New AS1379 AS2876 AS3600 VR Specification Section 703 SD 2001 SD 2102
SD 2102	Kerb Transitions	30/06/12	New AS1379 AS2876 AS3600 VR Specification Section 703 SD 2001
SD 2103	Channels & Spoon Drain	30/06/12	New AS1379 AS2876 AS3600 AS3996 AGRD Part 3 & VRS VR Specification Section 703
ACCESS & STOPPING BAYS			
SD 2051B	Kerb Outlet & Beaching Detail	30/06/12	Updated AS1379 AS2876 AS3600 VR Specification Section 703, Section 713 & Section 720 SD 2001
SD 2063A	Residential Cul-De-Sac 5.0m Car & 8.8m Service Vehicle	30/06/12	Updated
SD 2064A	Truck Access to Rural Properties – Type A	30/06/12	Updated VicRoads Guidelines for Access to Rural Properties AGAM Part 5 AGPT Part 2 AGRD Part 4 & VRS AGRD Part 4A & VRS VicRoads RC500.22 Road Management Act 2004 VicRoads TEM Vol 2 SD 1991

SD 2065A	Truck Access to Rural Properties – Type B	30/06/12	Updated As above (SD 2064)
SD 2066A	Typical Rural Driveway Access to Residential Properties – Type C	30/06/12	Updated As above (SD 2064)
SD 2071B	Indented Bus Bay	30/06/12	Updated SD 1621
SD 2081A	Emergency Median Crossing (Freeway)	30/06/12	Updated SD 1991 SD 4302
SD 2091B	Indented Help Phone Bay	30/06/12	Updated ITS SD TC2021 to TC2028

POSTS AND FENCES

SD 3001C	Guide Posts	01/07/95	AS1906 VicRoads TEM Vol 2
SD 3101A	Fence (Type A) - A1 & A2 Post and Wire	01/07/95	SD 3151, SD 3161, SD 3171
SD 3102	Fence (Type A) - Cattle Fence Post and Wire	01/08/02	AS1379 SD 3171
SD 3103	Heavy Duty Stock Proof Fence	01/08/02	AS1379
SD 3111A	Fence (Type B) - B1 & B2 Post and Wire	01/07/95	SD 3151, SD 3161, SD 3171
SD 3112	Fence (Type B) - Sheep Fence Post and Wire	01/08/02	AS1379 SD 3171
SD 3121A	Fence (Type H) - H1 & H2 Wire Mesh	01/07/95	SD 3151, SD 3161, SD 3171
SD 3122	Fence (Type H) - Row 1 Wire Mesh	01/07/95	SD 3151, SD 3161
SD 3131B	Fence (Type K) - Chain Wire Mesh	30/07/13	Updated Note 2 Amended AS1725 AS1379 SD 3171 VicRoads Standard Specification Section 711.16
SD 3143A	Fence - Welded Mesh	01/07/95	SD 3171
SD 3151A	Fence - Double Strainer Assembly	01/07/95	SD 3101, SD 3111, SD 3121, SD 3161
SD 3161A	Fence - Posts and Stays	01/07/95	AS1379 SD 3101, SD 3111, SD 3112, SD 3131
SD 3171A	Electrical Insulation of Fences – Insulation Details	01/07/95	SD 3101, SD 3111, SD 3121, SD 3131, SD 3141
SD 3181	Keala Fence		SUSPENDED
SD 3301C	Withdrawn		Refer to a structural engineer for design detail
SD 3302A	Withdrawn		Refer to a structural engineer for design detail

ROAD SAFETY BARRIERS

SD 3500	Terminology, shorthand and general requirements	08/05/14	SD 3502, SD 3511, SD 3521, SD 3571, SD 3573 AGRDR Part 6, VRS to AGRDR Part 6 RDN 06-04
SD 3501H	Guard Fence - Location Procedure	08/05/14	SD 2001, SD 3502, SD 3511, SD 3521, SD 3661, SD 3671, SD 3534
SD 3502C	Guard Fence and Wire Rope Safety Barrier Offset Guidelines	08/05/14	SD 2001, SD 3501, SD 3661, SD 3671
SD 3503 A	Concrete maintenance strip for guard fence and wire rope safety barrier	09/02/17	SD 3502, SD3661 RDN 06-02, RDN 06-08
SD 3511H	Safety Barrier (Line A) - Alignment Details	08/05/14	SD 3501, SD 3521, SD 3541, SD 3542 , SD 3544 AASHTO 2011 AGRDR Part 6, VRS to AGRDR Part 6 RDN 06-04
SD 3521G	Safety Barrier (Line B) - Alignment Details	08/05/14	SD 3501, SD 3511, SD 3541, SD 3542 , SD 3544, SD 3573 AASHTO 2011 AGRDR Part 6, VRS to AGRDR Part 6 RDN 06-04

SD 3531F	Guard Fence – In Medians	08/05/14	SUSPENDED
SD 3541H	Breakaway Cable Terminals (BCTA) – General Arrangement	08/05/14	SUSPENDED
SD 3542F	Breakaway Cable Terminals (BCTB) – General Arrangement	08/05/14	SUSPENDED
SD 3543E	Post Detail and Breakaway Cable Terminal – Alternative Footings	08/05/14	SUSPENDED
SD 3544B	Trailing Terminal General Arrangement	10/2015	AS1594 AS4100 VR Standard Section 708 Refer also to AGRD Part 6 – Cht 6 & VRS SD 3501, SD 3562, SD 3661
SD 3545B	Gating Redirective Energy Absorbing Terminal Runout Area Details	02/2016	SD 3571 VRS to AGRD Part 6 RDN 06-04
SD 3551C	Breakaway Cable Terminal – Anchor Cable and Plate Details	08/05/14	SUSPENDED
SD 3561E	Breakaway Cable Terminal – End Rail and Bulb Details	08/05/14	SUSPENDED
SD 3562B	Trailing Terminal Component Details	01/2016	AS1594 AS3845 AS4100 VR Standard Specification Section 708 Refer also to AGRD Part 6 – Cht 6 & VRS SD 3544, SD 3661
SD 3571C	Safety Barrier - Runout Area Grading Details	08/05/14	Refer also to AGRD Part 6, Cht 6 & VRS SD 3541, SD 3542, SD 3551, SD 3502
SD 3573B	Wire Rope Safety Barrier Terminal - Runout Area Details	08/05/14	SD 3521 RDN 06-02, AGRD Part 6 SD 4301 (use latest version)
SD 3611D	Withdrawn	01/09/10	
SD 3621D	Withdrawn	01/09/10	
SD 3661I	Guard Fence (Type B) - Steel Post	08/05/14	AS/NZS1594-HA350 Steel Plate AS/NZS4680 AS4100 SD 3502
SD 3671E	Guard Fence (Type D) - Steel Post	05/03/12	AS/NZS1594-HA350 Steel Plate AS4100 AS/NZS4680 SD 3502
SD 3901F	Concrete Barriers - Type F Shape Barrier	08/08/12	AGRD Part 6 – Figure 6.17 VR Specification Section 610 NCHRP Report 350
SD 4071D	Guard Fence - Layouts for Bridge Approaches	01/07/05	General Note 1: Reference to SD 4082 shall be deleted. SD 4081, SD 4082, SD 3571, SD 3541, SD 3561, SD 3501, SD 3502, SD 3511, SD 3521
SD 4081G	Guard Fence - Bridge Approaches (Long End Post)	05/03/12	Updated Bridge Dwg 181347 (Drawing being updated for future release) AS4100 SD 3661, SD 4071, SD 3501, SD 1301, SD 2052
SD 4082D	Guard Fence - Bridge Approaches (Short End Post)	26/03/12	Updated Reinstated for retro fit projects AS4100 SD 1301, SD 3501, SD 3661, SD 2052, SD 4071 Bridge Dwg. 181347
	Bridge Drawing 181347 Standard Bridge Component End Post Guard Rail Connection Plate	08/05/09	Refer to SD 4082D

SD 4083C	Cattle Underpass - Road Cross Section and Guard Fence Treatment	06/14	Updated Note 3 & departure terminals SD 3521, SD 3544 , SD 3544
SD 4084C	Guard Fence Transition Bridge Approaches - Guard Fence to Existing Endpost	05/03/12	Updated VR Specification Section 680 SD 3501, SD 3661, SD 4071
SD 4091B	Guard Fence - Treatment at Intersections near Bridges - General Layout	05/03/12	Updated SD 3551, SD 3561 , SD 3661, SD 4092, SD 4093, SD 4094, SD 4081, SD 4082
SD 4092B	Guard Fence - Treatment at Intersections near Bridges Special Layout Using 4m Curved Rail	05/03/12	Updated SD 4081, SD 4082, SD 4091, SD 4093, SD 4094, SD 3502, SD 3551, SD 3561 , SD 3661
SD 4093C	Guard Fence - Treatment at Intersections near Bridges (Special Terminal Details)	05/03/12	Updated AS/NZS1594-HA350 Steel Plate AS1720.1 AS4100 AS/NZS4680 SD 3551, SD 3561 , SD 4091, SD 4092, SD 4094
SD 4094	Guard Fence - Treatment at Intersections near Bridges (Post Cap and Auxiliary Anchor Assembly)	01/02/98	AS1650 AS1554 SD 3551, SD 3561 , SD 4091, SD 4092, SD 4093
SD 4201	High Profile Barrier Kerb - Midwest Barrier Kerb	05/08/15	AS/NZS 5100 AS/NZS 4671 VR Specification Section 610 RDN 03-01 SD 4202
SD 4202	High Profile Barrier Kerb – Midwest Barrier Kerb Transition	05/08/15	AS/NZS 5100 AS/NZS 4671 VR Specification Section 610 RDN 03-01 SD 4201
SD 4301D	Withdrawn	08/05/14	
SD 4302D	Emergency Median Crossing with WRSB	08/05/14	RDN 06-02
SD 4303B	Layout for WRSB Match Existing Structures	28/08/06	
SD 4311	Wire Rope Safety Barrier – Location Procedure	08/05/14	RDN 06-02 RDN 06-04 AGRD SD 3500, SD 3502, SD 3511, SD 3521, SD 3573
SD 4501A	Safety Barriers at Bridge Approaches Medium and High Containment Levels Residual Clear Zone Behind Safety Barrier greater than 9 metres	01/07/05	Note 1: Reference to RDN 12-01 shall be amended to RDN 06-07
SD 4511	Safety Barriers at Bridge Approaches Medium and High Containment Levels Residual Clear Zone Behind Safety Barrier less than 9 metres	01/02/98	Note 1: Reference to RDN 12-01 shall be amended to RDN 06-07
SD 4521	Safety Barriers at Bridge Approaches Medium and High Containment Levels Left Verge on Steep Terrain	01/02/98	Note 1: Reference to RDN 12-01 shall be amended to RDN 06-07 SD 4081
SD 4531A	Safety Barriers at Bridge Approaches Medium and High Containment Levels Left Verge on Flat Terrain	01/07/05	Note 1: Reference to RDN 12-01 shall be amended to RDN 06-07
SD 4541	Safety Barriers at Bridge Approaches Medium and High Containment Levels Treatment on the Gore Area of Exit Ramp	01/02/98	Note 1: Reference to RDN 5-3 shall be amended to AGRD Part 4C – Section 11.2.1 and VRS Part 4C – Figure V11.1 Note 2: Reference to RDN 12-01 shall be amended to RDN 06-07.
SD 4551	Construction of Verge Rounding	01/08/02	Note 1: Reference to RDG Part 3 – Table 3.6.4.2 shall be amended to AGRD Part 3 – Table 4.10

RETAINING WALLS

SD 5001B	Withdrawn	30/06/12	Refer to a structural engineer for design detail
SD 5011B	Withdrawn	30/06/12	Refer to a structural engineer for design detail
SD 5021A	Withdrawn	30/06/12	Refer to a structural engineer for design detail
SD 5031B	Withdrawn	30/06/12	Refer to a structural engineer for design detail
SD 5041	Withdrawn	30/06/12	Refer to a structural engineer for design detail

CONCRETE PAVEMENT

SD 5300	Concrete Pavement Details - Selection Guide	01/07/95	SD 5301, SD 5311, SD 5321, SD 5331, SD 5341, SD 5351, SD 5352, SD 5361, SD 5371, SD 5381, SD 5391, SD 5401, SD 5411, SD 5421
SD 5301C	Plain Concrete Pavement (PCP) - Transverse Joint & Isolated Reinforcement Detail	01/07/95	SD 5300, SD 5401, SD 5411
SD 5311B	Jointed Reinforced Concrete Pavement (JRCP) - Transverse Joint Detail	01/07/95	SD 5300, SD 5401
SD 5321B	Jointed Reinforced Concrete Pavement (JRCP) - Reinforcement & Joint Details	01/07/95	SD 5300, SD 5311
SD 5331B	Jointed Plain and Reinforced Concrete Pavement (PCP) & (JRCP) - Treatment of Slab Openings	01/07/95	SD 5300, SD 5401
SD 5341B	Jointed Concrete Pavement - Slab Replacement	01/07/95	SD 5300, SD 5401, SD 5411
SD 5351C	Jointed Concrete Pavement - Terminal at Bridge Structure	01/07/95	SD 5300, SD 5301, SD 5361, SD 5401
SD 5352	Jointed Concrete Pavement - Slab Anchor and Transverse Junction with Flexible Pavement Details	01/07/95	SD 5300
SD 5361C	Continuously Reinforced Concrete Pavement (CRCP) - Reinforcement-Tie Bar Arrangement & Traverse Construction Joint Detail	01/07/95	SD 5300, SD 5371, SD 5411
SD 5371A	Continuously Reinforced Concrete Pavement (CRCP) - Alternative Lap Patterns for Longitudinal Bars	01/07/95	SD 5300, SD 5361
SD 5381C	Continuously Reinforced Concrete Pavement (CRCP) - Transverse Junction of Concrete and Flexible Pavements	01/07/95	SD 5300, SD 5401
SD 5391C	Continuously Reinforced Concrete Pavement (CRCP) - Terminal at Bridge Structure	01/07/95	SD 5300, SD 5361, SD 5401
SD 5401B	Concrete Pavement (All Types) - Expansion Joint Detail	01/07/95	ASTM D2628 SD 5300
SD 5411C	Concrete Pavement (All Types) - Longitudinal Tied Joints	01/07/95	SD 5300
SD 5421C	Concrete Pavement (All Types) - Longitudinal Junction with Flexible Pavement and Traffic Signal Detector Loop Installation	01/07/95	SD 5300, SD 5352, SD 5381,

MANAGED MOTORWAY

SD 6001	Typical entry Freeway Ramp Signals for two lane metered	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C TEM Vol 2 TC-2250 ITS specifications
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SD 6002	Typical entry Freeway Ramp Signals for two lanes metered plus metered priority lane Option P1 (preferred)	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C TEM Vol 2 TC-2252 ITS specifications
SD 6003	Typical entry Freeway Ramp Signals for two lanes metered plus metered priority lane Option P2 (alternative)	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C TEM Vol 2 TC-2252 ITS specifications
SD 6101	Merge layouts for Freeway Ramp Signals three lanes metered	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C TC-2252
SD 6102	Merge layouts for Freeway Ramp Signals four lane metered	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C TC-2252
SD 6201	Typical exit ramp management system layout surface road interchange	15/10/18	VicRoads Managed Motorway Design Guides, Handbooks and Framework VRS to AGRD Part 4C

ROAD DESIGN NOTES (RDN)			
03-01	The Use of High Profile Barrier Kerb (HPBK)	12/13	AGRD Part 3 – Cht 4 & VRS SD 4201, SD 4202
03-02	Accessible Tram Stops in Medians (previously 12.01)	01/11/06	AGRD Part 3 – Cht 4 & VRS
03-03	Accessible Tram Stops in Safety Zones (previously 3-33)	01/07/07	AGRD Part 3 – Cht 4 & VRS AGRD Part 4C & VRS
03-07	Raised Safety Platforms	07/2017	AGTM Part 8 & VRS AS/NZS 1158:2015
03-08	Central Barrier in Narrow Medians	06/2018	AGRD Part 3 & VRS AGRD Part 4A RDN 06-02, RDN 06-04, RDN 06-08 AS 1742.2-2009 & TEM Vol 2
03-09	Wide Centre Line Treatment (WCLT)	2018	AGRD Part 3 & VRS AS 1742.2-2009 & TEM Vol 2 RDN 06-02 & RDN 06-08
05-01	Pit and Pipe Invert Levels (previously 9-6a)	01/03/97	AGRD Part 5 – Cht 4.6.6 & VRS
05-02C	Accepted Drainage Products (previously 9-13)	09/2014	AGRD Part 5 – Cht 4.6.6 & VRS
06-01	Interpretation and Application of VicRoads Traffic Noise Reduction Policy 2005 (previously 6-01b)	12/12/05	AGRD Part 6B – Cht 2 & VRS
06-02C	The Use of Wire Rope Safety Barriers (WRSB)	05/2014	AGRD Part 6 – Cht 1 & VRS RDN 06-04
06-03	Roadside Utility Poles (previously 3-31)	01/02/07	AGRD Part 6 & VRS
06-04E	Accepted Safety Barrier Products (January 2014)	01/2014	AGRD Part 6 – Cht 6 & VRS
06-05C	Approved DDA tactile products	09/2014	AGRD Part 6A – Cht 6 & VRS
06-06	Guidelines for the Placement of Tactile Ground Surface Indicators (previously 9-15)	30/05/05	AGRD Part 6A – Cht 6 & VRS
06-07	The Performance Safety Barrier Treatments at Bridge Approaches (previously 12-1)	01/06/01	AGRD Part 6 – Cht 6 & VRS
06-08	The Use of Guard Fence	06/2014	AGRD Part 6 – Cht 6 & VRS Standard Section 708 RDN 06-04
06-09	Accepted frangible post systems	10/2014	Standard Section 719 TEM Vol2 – Cht 6
06-10 B	Accepted guide posts	03/2015	Standard Section 709 TEM Vol2 – Cht 23 AGTM – Part 10 AS 1742.2
06-11	Accepted retro-reflective sheeting materials	10/2014	AS/NZS 1906.1 2007 Standard Section 860 TEM Vol2 – Cht 4
06-12 A	Worksite Safety Barrier Screens	03/2017	AS/NZS 3845.1, AS 5100.2, AS 1170.2 RDN 06-04
06-13	Guidelines for the protection of gantry and cantilever sign supports	02/2018	AGRD Part 6 & VRS RDN 06-04, RDN 06-02, RDN 06-08 SD 3901 AS5100 & VicRoads BTN AS/NZS 3845.1