The Department of Transport and Main Roads is committed to continually reviewing and improving our technical publications to ensure we deliver best value for money and embrace the latest technological advancements.

To help you stay informed about any upcoming changes to technical publications we have provided a look ahead of proposed amendments, we have broken these into three timelines: next 4 months, 4 to 8 months and into the future.

### PHASE 1 – NEXT FOUR MONTHS

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MRTS01</strong> – Introduction to Technical Specifications</td>
</tr>
<tr>
<td>Changes in Section 3 and 4 reflect the increasing use of national and international standards.</td>
</tr>
<tr>
<td><strong>MRTS02</strong> – Provision for Traffic</td>
</tr>
<tr>
<td>Update to incorporate new Work Item Number for inspections in MRS02.</td>
</tr>
<tr>
<td><strong>MRTS07A</strong> – Insitu Stabilised Subgrades using Quicklime or Hydrated Lime</td>
</tr>
<tr>
<td>Clarify laboratory testing requirements and associated time limits.</td>
</tr>
<tr>
<td>Additional guidance and minor revisions based on current in situ stabilisation best practices.</td>
</tr>
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<td>Administrative changes to formatting, headings and text for clarity.</td>
</tr>
<tr>
<td><strong>MRTS07B</strong> – Insitu Stabilised Pavements using Cement or Cementitious Blends</td>
</tr>
<tr>
<td>Clarify laboratory testing requirements and associated time limits.</td>
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</tr>
<tr>
<td><strong>MRTS07C</strong> – Insitu Stabilised Pavements using Foamed Bitumen</td>
</tr>
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<td>Clarify laboratory testing requirements and associated time limits.</td>
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</tr>
<tr>
<td><strong>MRTS09</strong> – Plant-Mixed Stabilised Pavements Layers Stabilised using Foamed Bitumen</td>
</tr>
<tr>
<td>Relax the traffic loading requirements for the minimum modulus limits.</td>
</tr>
<tr>
<td>Clarify material sampling requirements, laboratory testing requirements and associated time limits.</td>
</tr>
<tr>
<td>Provide formulas for calculating stabilising agent contents.</td>
</tr>
<tr>
<td>Administrative changes to formatting, headings and text for clarity.</td>
</tr>
<tr>
<td><strong>MRTS11</strong> – Sprayed Bituminous Treatments (Excluding Emulsion)</td>
</tr>
<tr>
<td>Specification update to include improved guidance when sealing in challenging weather conditions.</td>
</tr>
<tr>
<td><strong>MRTS50</strong> – Specific Quality System Requirements</td>
</tr>
<tr>
<td>Updated information regarding:</td>
</tr>
<tr>
<td>• material produced and/or sourced from a Quarry Registration System Registered Quarry</td>
</tr>
<tr>
<td>• conformance reports</td>
</tr>
<tr>
<td>• As Constructed drawings.</td>
</tr>
<tr>
<td><strong>MRTS63A</strong> – Piles for Ancillary Structures</td>
</tr>
<tr>
<td>Update to incorporate new Work Item Numbers in MRS63A.</td>
</tr>
<tr>
<td><strong>MRTS72</strong> – Manufacture of Precast Concrete Elements</td>
</tr>
<tr>
<td>Update to be compatible with MRTS70 Concrete (November 2018), AS 3850.1 and AS 3610.1. Quality Assurance requirements have been clarified. Removal of exemption from supplier registration for boat ramp planks.</td>
</tr>
<tr>
<td><strong>MRTS73</strong> – Manufacture of Prestressed Concrete Members and Stressing Units</td>
</tr>
<tr>
<td>Update to be compatible with MRTS70 Concrete (November 2018), AS 3850.1 and AS 3610.1. Quality Assurance requirements have been clarified. Additional option of prestressing strand, prestressed pile lifting, and storage arrangements amended.</td>
</tr>
<tr>
<td><strong>MRTS77</strong> – Bridge Deck</td>
</tr>
<tr>
<td>Amendments in line with updated MRTS75 Supply and Erection of Prestressed Concrete Girders (November 18) and MRTS76 Supply and Erection of Steel Girders (March 19) regarding the use of stainless steel reinforcement and requirements for permanent installation / seating of girder restraint angles. Criteria for proprietary products included aligning to the requirements in the Department's Design Criteria for Bridges and Other Structures.</td>
</tr>
<tr>
<td><strong>MRTS84</strong> – Deck Wearing Surface</td>
</tr>
<tr>
<td>Remove Type C Waterproofing Membrane references. Hold Point and Milestone for construction procedures added to Clause 4.2. Reference to MRTS77 Bridge Deck for concrete surface texture depth requirements added.</td>
</tr>
<tr>
<td><strong>MRTS94</strong> – Road Lighting</td>
</tr>
<tr>
<td><strong>WITHDRAW MRTS98</strong> – Standalone Solar (PV) Power Lighting</td>
</tr>
<tr>
<td><strong>MRTS100</strong> – High Strength Geosynthetic Reinforcement in Road Embankments</td>
</tr>
<tr>
<td>Relocation of work item number from Annexure to MRS Specification Measurement.</td>
</tr>
</tbody>
</table>
MRTS201 – General Equipment Requirements

MRTS203 – Provision of Weigh-in-Motion System
Review and update of content.

MRTS206 – Provision of Variable Speed Limit and Lane Control Signs

MRTS207 – TSDM Foundation Equipment
‘TSDM’ to be removed from all technical documents as no longer applicable. Name change to Traffic Monitoring Foundation Equipment.

NEW MRTS214 – Wireless Traffic Sensors
New specification for wireless traffic sensors to collect data to provide travel time information to public.

MRTS218 – Vehicle Activated Signs

MRTS221 – Help Phones

MRTS222 – Electronic School Zone Signs

MRTS225 – Imaging

MRTS229 – Electronic Traffic Control Signs

MRTS231 – Road Weather Monitor (RWM) Systems

MRTS233 – Roadway Flood Monitoring Systems

MRTS250 – Provision of Automatic Number Plate Recognition System

MRTS260 – Temporary Variable Speed Limit Signs

MRTS262 – Temporary Variable Message Signs

NEW MRTS263 – Standalone Solar (PV) Power Systems

MRTS265 – Type-2 Portable Traffic Signals

SD1243 – Culvert headwalls - Precast Headwalls - Reinforced Concrete Pipe Culverts - Drawing 1 of 2 and 2 of 2
Precast headwall unit installation details simplified to provide cost effective solutions for departmental projects.

NEW SD1250 – R C Box Culverts and Slab Link Box Culverts – Culverts Height > 600 – Drawing 1 of 3 to 3 of 3
Revised design of base slabs, wingwalls and aprons to meet AS 5100 crack control requirements and higher exposure classifications, including a dowelled construction joint for apron to base slab. Fish passage requirements included. This new drawing replaces SD1303, SD1316, SD1317, SD1318, SD1320.

NEW SD1260 – R C Box Culverts and Slab Link Box Culverts – Culverts Height = 375 to 600 – Drawing 1 of 2 to 2 of 2
Revised design of base slabs and aprons to meet AS 5100 crack control requirements and higher exposure classifications, including a dowelled construction joint for apron to base slab. Fish passage requirements included. This new drawing replaces SD1174.

WITHDRAW SD1303 – R C Box Culverts & Slab Link Box Culverts - Construction of Headwalls and Wingwalls Height > 600
Withdrawn and replaced with SD1250.

SD1308 – Access Chamber – Precast Roof Slab for 1050 to 2100 Diameter Roadway Type Access Chamber
Steel C shaped reinforcing bar diameter changed from 20mm to 16mm.

WITHDRAW SD1316 – R C Box Culverts & Slab Link Box Culverts - Installation of Precast Units Height > 600
Withdrawn and replaced with SD1250.

WITHDRAW SD1317 – R C Box Culverts & Slab Link Box Culverts - Construction of Bases with Nibs and Aprons
Withdrawn and replaced with SD1250.

WITHDRAW SD1318 – R C Box Culverts & Slab Link Box Culverts - Construction of Bases with Recesses and Aprons (All sizes)
Withdrawn and replaced with SD1250.

WITHDRAW SD1320 – R C Box Culverts & Slab Link Box Culverts - Crown Unit Holding Down Anchors
Withdrawn and replaced with SD1250.

SD1356 – Road Edge Guide Posts – Post and Installation Details
Review to ensure drawing aligns with current practice.

SD1365 – Traffic Sign - Traffic Sign Support Breakaway Post Details - (Two or more Supports)
Welding notes reworded to remove ambiguity of welding requirements for the various plate connections. New note added for Detail E to clarify the weld shall be discontinuous across the cut in the post.

WITHDRAW SD1388 – Road Lighting Pole – Slip Base Pole Remedial Ramping Treatment
Standard Drawing is obsolete and no longer applicable.

SD1443 – Concrete Gully - Roadway Type Precast Inlet Units on Grade
Reduction of the vertical load testing requirements to 2. Channel half of gullies adjacent to the grate has been corrected to be drawn solid instead of hollow.

SD1444 – Concrete Gully - Roadway Type Precast Inlet Units in Sag
Reduction of the vertical load testing requirements to 2. Channel half of gullies adjacent to the grate has been corrected to be drawn solid instead of hollow.

SD1459 – Concrete Gully - Roadway Type Channel Lip in Line Anti-Ponding
Reduction of the vertical load testing requirements to 2.

SD1466 – Concrete Barriers – Typical Delineator Bracket Details
Reviewed for currency. New note 5. White delineators removed from example as not required.

WITHDRAW SD1174 – R C Box Culverts - Installation of Precast Units and Construction of Headwalls Height = 375 to 600
Withdrawn and replaced with SD1260.
SD1467 – Concrete Barriers – Cast-In Assembly for Thrie Beam Terminal Connector
Amended to align with current engineering practice and standards for guardrail connections.

SD1603 – Fencing - Koala proof fence and gate
General arrangement updated for materials and improved presentation. Method of bracing simplified to clamp on fittings at the base of post instead of footing. Fence at culvert arrangements and headwall connection details updated and the notes section amended.

SD1561 – Road Furniture - Motor Grid - General Arrangement (Drawing 1 of 2 and Drawing 2 of 2)
Updates include:
- alternative headstock ligature arrangement for ease of reinforcement to cage fabrication
- optimised base slab thickness by introducing 'nib' detail
- amended stiffener arrangement between steel rails of the grid segments, reducing fabrication time and cost
- minimum fencing requirements incorporated into typical details and notes.

SD1562 – Road Furniture - Motor Grid - Cast Insitu Abutment
Updates include:
- alternative headstock ligature arrangement for ease of reinforcement to cage fabrication
- optimised base slab thickness by introducing 'nib' detail
- amended stiffener arrangement between steel rails of the grid segments, reducing fabrication time and cost
- minimum fencing requirements incorporated into typical details and notes.

SD1563 – Road Furniture - Motor Grid - Cast Insitu Base Slab (Drawing 1 of 2 and Drawing 2 of 2)
Updates include:
- alternative headstock ligature arrangement for ease of reinforcement to cage fabrication
- optimised base slab thickness by introducing 'nib' detail
- amended stiffener arrangement between steel rails of the grid segments, reducing fabrication time and cost
- minimum fencing requirements incorporated into typical details and notes.

SD1564 – Road Furniture - Motor Grid - Precast Base Slab (Drawing 1 of 2 and Drawing 2 of 2)
Updates include:
- alternative headstock ligature arrangement for ease of reinforcement to cage fabrication
- optimised base slab thickness by introducing 'nib' detail
- amended stiffener arrangement between steel rails of the grid segments, reducing fabrication time and cost
- minimum fencing requirements incorporated into typical details and notes.

SD1565 – Road Furniture - Motor Grid - Steelworks
Updates include:
- alternative headstock ligature arrangement for ease of reinforcement to cage fabrication
- optimised base slab thickness by introducing 'nib' detail
- amended stiffener arrangement between steel rails of the grid segments, reducing fabrication time and cost
- minimum fencing requirements incorporated into typical details and notes.

SD1604 – Fencing - Galvanised Welded Mesh Fencing
Minor amendments to notes and references to align with other Standard Drawings.

SD1623 – Road Lighting - Switchboard Typical Layout and Circuit Diagram MEN System
Busbars replaced with dedicated wiring.

SD1676 – Road Lighting - Metered Switchboard Assembly Details - Single Phase
Busbars replaced with dedicated wiring.

SD1686 – Road Lighting - Switchboard Assembly Details - Drawings 1 of 3 to 3 of 3
Busbars replaced with dedicated wiring.

SD1687 – Road Lighting - Metered Switchboard Assembly Details - Single Phase
All gland plate entry holes are now threaded
A glare shield has been included to prevent intrusive light from affecting the operation of the PE cell (Light sensor).

SD1688 – Road Lighting - Metered Switchboard Assembly Details - Three Phase
A glare shield has been included to prevent intrusive light from affecting the operation of the PE cell (Light sensor).

WITHDRAW SD1779 – ITS IPRT Network - ATS Alfa 16 Controller with Tophat Additional GPOs Via New RCD GPO Plus Communications Equipment
Standard Drawing is obsolete and no longer applicable.

SD1901 – TSDM - Foundation Equipment Cabinet Base Installation Details
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1902 – TSDM - Surveillance Post Typical Details
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1903 – TSDM - Surveillance Post Wiring Details
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1905 – TSDM - Foundation Equipment Cabinet Details Sheets 1 to 10
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1906 – TSDM - WIM Piezo Sensor Installation Details
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1908 – TSDM - WIM Sensor Configuration Piezo-Loop-Piezo Sheets 1 to 2
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1909 – TSDM - WIM Sensor Configuration Piezo-Piezo-Loop-Piezo
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1910 – TSDM - WIM Sensor Configuration Piezo-Piezo
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD1911 – TSDM - WIM Sensor Configuration Strain Gauge Sensor Sheets 1 to 2
'TSDM' to be removed from all technical documents as the use of devices is moving towards real-time operational environment.

SD2021 – 550 Octagonal PSC Piles - Earthquake Classification BEDC-1, Exposure Classification B2 - Drawings 1 of 2 and 2 of 2
Drawing revised to meet AS 5100 (2017) requirements.

NEW SD2022 – 550 Octagonal PSC Piles - Earthquake Classification BEDC-1 Exposure Classification C1 and C2 Drawing 1 of 3 to 3 of 3
PSC piles for exposure classification C1 and C2 require a higher concrete strength and increased cover reinforcement. These requirements influence the layout of strands and reinforcement, which are detailed in this new drawing.
NEW SD2046 – Precast Units - Precast Kerbs for Outer Deck Units for Transversely Stressed Bridges with Regular Performance Traffic Barriers
Standardised design solution for precast kerbs for future TMR transversely stressed deck unit bridge projects.

SD2255 – Bridge Approaches - Relieving Slab 3 metre span
Note added to the starter bar detail, specifying starter bars shall be galvanised after bending to ensure alignment with current engineering practice and standards.

SD2256 – Bridge Approaches – Relieving Slab 6 metre span
Note added to the starter bar detail, specifying starter bars shall be galvanised after bending to ensure alignment with current engineering practice and standards.

MANUALS

Design Criteria for Bridges and Other Structures (DCBoS)
Update to incorporate Australian Standard AS 5100 (2017) for Bridge Design.

Drafting and Design Presentation Standards Manual (DDPSM) – Volume 1, Chapter 1: Introduction
Contents updated to reflect current Transport and Main Roads Plan Room process and requirements. This includes issued for Construction to As Constructed lifecycle with associated amendments and updated signature, verification and certification requirements of drawings.

DDPSM – Volume 1, Chapter 2: General Standards (including Appendices)
Update numerous title blocks to reflect updated signature, verification and certification requirements of drawings.

Additional guidance for persons involved in the installation and removal of advanced warning signs and minor editorial changes to Sections 4.1.5 onwards.

MUTCD – Part 13: Local Area Traffic Management
Correct Section 4.5 to be 'Accepted with Amendments' with additional information.

Traffic and Road Use Management (TRUM) Manual – Volume 3: Signing and Pavement Marking Parts 1–4
Update to align with harmonised and non-harmonised parts of Manual of Uniform Traffic Control Devices, which address requirements of pavement marking.

Materials Testing Manual (MTM) – Parts 1, 3, 4, 5, 7, 8 and 12
Update to align with Technical Specifications, correct referencing and add new / withdraw Test Methods.

Nuclear Gauge Testing Manual (NGTM) – Section 3
Minor corrections to Test Methods N01, N02, N03 and N04.

GUIDELINES

NEW Selection and Design of Cycle Tracks and Appendix B Drawings
Provides the department's position in Queensland on this emerging practice and applies Safe Systems in new and retrofit situations. Replaces Technical Notes TN128 and TN128 Appendix B.

CONTRACTS

Contract Administration System (CAS) – Procedures, Forms and Letters
Major revamp to align with Austroads manual – update standard forms and letters.

EP150 – Procurement of Infrastructure Project Threshold
Update to include latest information on two stage process.

EP163 – Infrastructure Procurement Amendments
Queensland Procurement Policy (QPP) application to include Ethical Supplier Mandate as part of Best Practice Principles (BPP).

Transport Infrastructure Contract (TIC) and Minor Infrastructure Contract (MIC) - Tri-annual update
Changes to include collaboration, time bar (industry request), prescribed notice reduce liability, dispute resolution process, current program for EOT request and other policy changes.

Transport Infrastructure Project Delivery System (TIPDS) – Volume 1: Selection of Delivery Options
Update of content in line with Volume 2 amendments.

Document is no longer required for contractual purposes – refer to MUTCD.

WITHDRAW CAS Manual Checklist – CAC051M Dense Graded and Open Graded Asphalt Surfacing
Checklist no longer required. May be revised and republished in the future.

TECHNICAL NOTES

TN27 – Guidelines for Design of Precast Culvert and Pipe Headwalls
Revised to align with recent revision to SD1243. Amendments include:
- requirement to use headwall connection for small culverts up to 450 diameter or height to be determined by risk assessment
- bolted headwall connection included for culverts up to 1200 diameter or height
- cast in situ headwall extension for culverts over 1200 diameter or height.

TN63 – Assessment of Electrical Pit Products to MRTS91 and MRTS78
Technical Note amended to update procedures for the assessment of electrical pit components.

TN180 – Box Marking at Signalised Intersections
Technical Note amended to include road rule.

NEW TNXXX – Project Signage
To incorporate Project Signage content from withdrawn MUTCD Part 3 Supplement.

NEW TNXXX – Sealing in Challenging Weather Conditions

WITHDRAW EN07 – Conformance of Polymer Modified Binders
Content incorporated into MRTS11.

WITHDRAW TN03 – Measurement of Vibrations and Airblast
Technical note is out of date and no longer applicable.

WITHDRAW TN29 – Duplex Coatings on Helical Pipe Culverts
Technical note is out of date and no longer applicable.

WITHDRAW TN75 – Registration of mix designs for asphalt manufactured using warm mix asphalt technologies
Requirements superseded or incorporated in TN148.

WITHDRAW TN102 – Selecting Testing Frequencies for Acceptance Sampling of Pavement Materials
This Technical Note was published to provide guidance about selecting and specifying testing frequencies for pavement materials on departmental projects as many Technical Specifications did not contain default testing frequencies. Key Specifications have since been updated, along with changes set by the department's Quarry Registration System, superseding this Technical Note.

WITHDRAW TN104 – Guidelines for Asphalt Mix Design Assessment
Requirements superseded or incorporated in TN148.
WITHDRAW TN119 – Changes to the Main Roads Technical Standard (MRTS01) Provision for Traffic
Technical Note is obsolete and no longer applicable.

WITHDRAW TN122 – Quarry-Specific Testing Frequency
Replaced by Transport and Main Roads’ Approved products and registered suppliers: Pavements, materials and geotechnical – Quarries.

WITHDRAW TN128 – Selection and Design of Cycle Tracks and Appendix B Drawings
Technical Note has been updated and repositioned as permanent advice in a Guideline.

OTHER

Traffic Control (TC) Signs
Quarterly update of TC Signs. Occurs March, July, September and December.

PHASE 2 – FOUR TO EIGHT MONTHS

SPECIFICATIONS

MRTS05 – Unbound Pavements
A significant revision proposed to include the adoption of 'Modified C' grading, use of modified compaction for selected layers, use of Linear Shrinkage (LS) only, no Plasticity Index (PI), and a min LS requirement. In addition, changes to the Quarry Registration System will be made to accommodate the proposed changes.

MRTS13 – Bituminous Slurry Surfacing
Technical Specification to be updated to align with Austroads Report AP-R569-18.

MRTS16 – Landscape and Revegetation Work
Revision and rationalisation of pay items in MRS16 to simplify nomination of vegetation treatments and associated work operations. Minor amendments to the Technical Specification include adjustments to:
• seeding and seed testing requirements
• the installation of plants
• general correction of errors and omissions.
MRTS16 Appendix forms to be updated in line with AS 4419 (2018).

MRTS19 – Cutter and Flux Oils
Technical Specification to be updated to align with Austroads report AP-T344-19.

MRTS24 – Manufacture of Precast Concrete Culverts
Amendments to address industry feedback, revision of document scope to relocate design / installation elements and increased alignment to Australian Standards.

MRTS25 – Steel Reinforced Precast Concrete Pipes
Amendments to address industry feedback and revision of document scope to relocate design / installation elements.

MRTS70 – Concrete
Minor updates to content based on earlier implementation of new structure in MRTS70 (Nov 2018).

MRTS78 – Fabrication of Structural Steelwork
Update to align with industry changes and feedback.

MRTS81 – Bridge Bearings
Update to review testing and align with updated Australian Standard.

MRTS202 – Provision of Variable Message Signs
Amendments to include smaller size VMS, provision to stand alone power systems, including new optical performance requirements as per AS 4852.1.

MRTS206 – Provision of Variable Speed Limit and Lane Control Signs
Technical Specification to be amended after the release of updated AS 5156 by Standards Australia.

MRTS222 – Electronic School Zone Signs
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS225 – Imaging
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS229 – Electronic Traffic Control Signs
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS231 – Provision of Road Weather Monitors
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS233 – Roadway Flood Monitoring Systems
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS250 – Provision of Automatic Number Plate Recognition System
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS259 – Transportable Generator
General review and update of content.

MRTS260 – Temporary Variable Speed Limit Signs
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS262 – Temporary Variable Message Signs
Technical Specification to be updated to include new requirements, amend some existing requirements and correct referencing to MRTS263 Standalone Solar (PV) Power Systems being published in July 2019.

MRTS300 – Boat Ramps
Review and minor update of content.

MRTS301 – Fabrication and Construction of Floating Walkways
Review and minor update of content.

MRTS302 – Fabrication and Construction of Pontoons
Review and minor update of content.

NEW MRTSXXX – Coloured Surface Treatments
New specification for the construction of coloured road surfacings (for example, bicycle and bus lanes).

NEW MRTSXXX – High Friction Surface Treatments
New specification for the construction of high friction road surfacings.

NEW MRTSXXX – Glass Aggregate for Asphalt
New specification that permits the use of recycled glass in asphalt.

NEW MRTSXXX – Road Condition Information Sign (RCIS)
Technical Specification due for release in November 2019, detailing the requirements for RCIS.

DRAWINGS

SD1145 – Standard P.V.C Scupper - Details for Cast Insitu Deck
Review to ensure drawing aligns with current departmental practices and updated design standards.

SD1240 – RC Slab Deck Culvert
Review to ensure drawing aligns with current departmental practices and updated design standards.
To achieve a consistent approach for the delivery of bridge projects using BIM technologies to ensure that the department will be able to use and operate the BIM models into the future. This will also assist with key asset management practices.

NEW SD2232 – Abutment Protection - Type 1 - Rock Spillthrough - Up to 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2233 – Abutment Protection - Type 1 - Rock Spillthrough – Greater Than 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2234 – Abutment Protection - Type 2 – Reinforced Concrete Over Spillthrough - Up to 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2235 – Abutment Protection - Type 2 – Reinforced Concrete Over Spillthrough - Greater Than 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2236 – Abutment Protection - Type 4 - Rockwork Over Spillthrough - Up to 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2237 – Abutment Protection - Type 4 - Rockwork Over Spillthrough - Greater Than 1700 Clearance
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2238 – Abutment Protection - Rock Masonry
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD2241 – Abutment Protection - Type 7 - Rock Filled Gabion Protection - Height up to 6 metres
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD4020 – Boat Ramp Construction - Precast Plank Installation and Anchor Beam - Types 1 & 2
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD4021 – Boat Ramp Construction - Earthworks and Crushed Rock Core Details
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD4022 – Boat Ramp Construction - Fully Grouted Shoulders and Ungrouted Shoulders
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SD4023 – Boat Ramp Construction - Concrete Slab and Joint Details
Review to ensure drawing aligns with current departmental practices and updated design standards.

NEW SDXXXX – Bicycle Safety Rails and Pedestrian Handrails
New Standard Drawing regarding Bicycle Safety Rails and Pedestrian Handrails.

NEW SDXXXX – Small size cantilevered VMS
New Standard Drawing regarding Small Size Cantilevered VMS.

MANUALS

NEW Building Information Management (BIM) Manual for Bridges
To achieve a consistent approach for the delivery of bridge projects using BIM technologies to ensure that the department will be able to use and operate the BIM models into the future. This will also assist with key asset management practices.

DDPSM – Volume 3: Structural Drafting Standards – Chapter 8: Bridge Widening
Publication to be reviewed for currency and to include additional information regarding known issues related to bridge widening projects.

DDPSM – Volume 3: Structural Drafting Standards – Chapter 11: General Arrangement Drawings
Publication to be reviewed for currency.

Pavement Rehabilitation Manual
Update of the existing content, specifically to Chapter 2 Pavement Evaluation and Chapter 5 Design of Pavement Rehabilitation Treatments: Mechanistic and Deflection Reduction Methods.

Road Drainage Manual (RDM)
Harmonisation of content to AGRD Part 5A Drainage and incorporation of technical note content.

Road Planning and Design Manual (RPDM) – Supplement to Austroads Guide to Road Design (AGRD) – Volume 3: Geometric Design
Geometric information from Technical Note 128 (Selection and Design of Cycle Tracks - May 2015) to be considered for inclusion in RPDM.

RPDM – Supplement to AGRD – Volume 3, Part 4: Intersections and Crossings – General
Review changes between current and past AGRD versions. Update supplement with identified changes.

RPDM – Supplement to AGRD – Volume 3, Part 4A: Unsignalised and Signalised Intersections
Review changes between current and past AGRD versions. Update supplement with identified changes.

RPDM – Supplement to AGRD – Volume 3, Part 4C: Interchanges
Review changes between current and past AGRD versions. Update supplement with identified changes.

RPDM – Supplement to AGRD – Volume 3, Part 6B: Roadside Environment
Review changes between current and past AGRD versions. Update supplement with identified changes. Incorporate content from TN138 Verge Parking and Indented Parking.

TRUM – Volume 1, Part 3: Traffic Studies and Analysis
Update Transport and Main Roads Supplement to Austroads Guide to Traffic Management (AGTM) Part 3 Traffic studies and analysis to align to 2017 national release.

TRUM – Volume 1, Part 4: Network Management
Update Transport and Main Roads Supplement to AGTM Part 4 Network management for consistency with Volume 1 Supplements.

RPDM – Volume 6 – Lighting
Update policy for inclusion of LED information and general revisions for current policy direction.

TRUM – Volume 4, Part 6: Periodic verification guide for traffic signals, road lights and ITS equipment installations
Publication to be reviewed for currency.

TRUM – Volume 4, Part 8: Electrical verification requirements for new or altered roadside installations and Certificate of Test
Publication to be reviewed for currency.

TRUM – Volume 4, Part 9: Temporary use electrical generators for traffic signals
Publication to be reviewed for currency.

NEW Transport Noise Management Code of Practice Volume 3 – Operational Railway Noise and Vibration
This code will replace the 'Interim Guideline - Operational Railway Noise and Vibration' and provide greater detail for the assessment and management of operational railway noise and vibration.
<table>
<thead>
<tr>
<th>POLICIES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EP147 – Road Closure Policy for Wet Weather and Flooding</strong></td>
</tr>
<tr>
<td>Annual review and update as required for onset of wet season, including two external information sheets, temporary restrictions of state-controlled roads during wet weather and Transport and Main Roads policy on closing of state-controlled roads during wet weather and flooding.</td>
</tr>
<tr>
<td><strong>EP149 – Managed Motorways</strong></td>
</tr>
<tr>
<td>Align to updated Transport and Main Road supplement to AGRD and the RPDM.</td>
</tr>
<tr>
<td><strong>EP166 – Alphanumeric (MABC) Route Numbering Policy</strong></td>
</tr>
<tr>
<td>New Engineering Policy on MABC route numbering.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GUIDELINES</th>
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</thead>
<tbody>
<tr>
<td><strong>Grouping of Deflection Data using Statistical Cluster Analysis</strong></td>
</tr>
<tr>
<td><strong>Rehabilitation Technique and Treatment Prioritisation Method of the Plain Concrete Pavements (PCP)</strong></td>
</tr>
<tr>
<td>Guideline to establish departmental position incorporating Technical Note TN143 Rehabilitation Technique and Treatment Prioritisation Method of Plain Concrete Pavements (PCP).</td>
</tr>
<tr>
<td><strong>NEW Maintenance Minimisation for Walking and Cycling Facilities</strong></td>
</tr>
<tr>
<td><strong>NEW Providing for Cyclists on Roundabouts</strong></td>
</tr>
<tr>
<td>Guideline provides departmental position in Queensland and replaces Technical Note TN136 Providing for Cyclists on Roundabouts and Appendix B Bicycle Crash prediction tool for Queensland roundabouts.</td>
</tr>
<tr>
<td><strong>NEW Speed Management on Shared Paths</strong></td>
</tr>
<tr>
<td>Guideline provides departmental position in Queensland and replaces Technical Note TN130 Speed Management on Shared Paths.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTRACTS</th>
</tr>
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<tbody>
<tr>
<td><strong>Consultants for Engineering Projects Manual (CFEP)</strong></td>
</tr>
<tr>
<td>Review and update of content.</td>
</tr>
<tr>
<td><strong>Transport Infrastructure Project Delivery System (TIPDS) – Volume 2 – Tendering for Infrastructure Works</strong></td>
</tr>
<tr>
<td>Review and update of content.</td>
</tr>
<tr>
<td><strong>TIPDS – Volume 3 – Prequalification System</strong></td>
</tr>
<tr>
<td>Major manual amendments regarding changes to prequalification requirements removing Engineering and Technology Prequalification System out of TIPDS Volume 3.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TECHNICAL NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NEW TNXXX – Assessment of Non-Conformances in Lightly and Heavily Bound Pavements</strong></td>
</tr>
<tr>
<td>Provide advice on the process that should be followed when assessing Unconfined Compressive Strength (UCS) nonconformance in lightly and heavily bound plant mixed pavement materials.</td>
</tr>
<tr>
<td><strong>NEW TNXXX – Trafficking EME2 Pavements</strong></td>
</tr>
<tr>
<td>Assist personnel involved in Transport and Main Roads projects with understanding the construction aspects and trafficking of EME2 pavements.</td>
</tr>
<tr>
<td><strong>WITHDRAW TN130 – Speed Management on Shared Paths</strong></td>
</tr>
<tr>
<td>Technical Note updated and reconfigured as permanent advice in a Guideline.</td>
</tr>
<tr>
<td><strong>WITHDRAW TN132 – Maintenance Minimisation for Walking and Cycling Facilities</strong></td>
</tr>
<tr>
<td>Technical Note updated and reconfigured as permanent advice in a Guideline.</td>
</tr>
</tbody>
</table>

<table>
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<tbody>
<tr>
<td><strong>MRTS12 – Sprayed Bituminous Emulsion Surfacing</strong></td>
</tr>
<tr>
<td>Update to enable the procurement of Proprietary Emulsion Primes.</td>
</tr>
<tr>
<td><strong>MRTS35 – Recycled Materials for Pavements</strong></td>
</tr>
<tr>
<td>Implement changes from NACoE research into optimising the use of recycled pavement materials.</td>
</tr>
<tr>
<td><strong>MRTS39 – Lean Mix Concrete Sub-Base for Pavements</strong></td>
</tr>
<tr>
<td>Review and update planned with particular emphasis placed on harmonisation with the latest New South Wales (NSW) Roads and Maritime Services (RMS) equivalent specifications.</td>
</tr>
<tr>
<td><strong>MRTS42 – Supply of Wax Emulsion Curing Compound for Concrete</strong></td>
</tr>
<tr>
<td>Review and update planned with particular emphasis placed on harmonisation with the latest New South Wales (NSW) roads and Maritime Services (RMS) equivalent specifications.</td>
</tr>
<tr>
<td><strong>MRTS63 – Piles for Ancillary Structures</strong></td>
</tr>
<tr>
<td>Update of Technical Specification to align with industry changes and customer needs.</td>
</tr>
<tr>
<td><strong>MRTS78A – Fabrication of Structural Stainless Steelwork</strong></td>
</tr>
<tr>
<td>Update of Technical Specification to align with industry changes and customer needs.</td>
</tr>
<tr>
<td><strong>MRTS79 – Fabrication of Aluminium Components</strong></td>
</tr>
<tr>
<td>Improve clarity of document and align with MRTS78 Fabrication of Structural Steelwork.</td>
</tr>
<tr>
<td><strong>MRTS251 – Traffic Counter / Classifier</strong></td>
</tr>
<tr>
<td>Review and update of content.</td>
</tr>
<tr>
<td><strong>MRTS252 – Next Generation Traffic Signal Controller</strong></td>
</tr>
<tr>
<td>Review and update of content.</td>
</tr>
<tr>
<td><strong>NEW MRSXXX – Fibre Reinforced Concrete</strong></td>
</tr>
<tr>
<td>Proposed new Technical Specification regarding Fibre Reinforced Concrete.</td>
</tr>
<tr>
<td><strong>NEW MRTSXXX – Shotcrete</strong></td>
</tr>
<tr>
<td>Proposed new Technical Specification specifically for shotcreting applications.</td>
</tr>
</tbody>
</table>
**DRAWINGS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRG1 – Kerb Ramp – Guidelines for the Installation of Tactile Ground Surface Indicators on Ramped Kerb Crossings</td>
<td>Review to ensure drawing aligns with current practice.</td>
</tr>
<tr>
<td>KRG2 – Kerb Ramp – Application examples for the installation of Tactile Ground Surface Indicators on Ramped Kerb Crossings</td>
<td>Review to ensure drawing aligns with current practice.</td>
</tr>
<tr>
<td>SD1353 – Road Furniture - Vermin and Dog Fencing at Motor Grid</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD1354 – Road Furniture - Standard Bicycle Safe Fitting to Existing Motor Grid</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD1355 – Road Furniture - Alternative Bicycle Safe Fitting to Existing Motor Grid</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD1446 – Kerb Ramps Ramped Kerb Crossing</td>
<td>Reviewed for currency.</td>
</tr>
<tr>
<td>SD1447 – Median and Island Crossing Ramped and Cut Through Treatment for Pedestrian Facilities</td>
<td>Updated design standards.</td>
</tr>
<tr>
<td>SD1736 – ITS Symbols</td>
<td>Reviewed for currency.</td>
</tr>
<tr>
<td>NEW SD2190 – Precast Bridge Barrier Panel - GA and Reinforcement Details</td>
<td>New standard drawing regarding Precast Bridge Barrier Panel – GA and Reinforcement Details.</td>
</tr>
<tr>
<td>SD2280 – FRP Composite Girders for Timber Bridge Rehabilitation - LOC400 &amp; LOC420 Installation Details (1 of 17 to 17 of 17)</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD2281 – FRP Composite Girders for Timber Bridge Rehabilitation - LOC400 &amp; LOC420 Installation Procedure (1 of 3 to 3 of 3)</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD2285 – FRP Composite Girders for Timber Bridge Rehabilitation - WCFT-S1, S2 &amp; S3 Installation Details (1 of 17 to 17 of 17)</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
<tr>
<td>SD2286 – FRP Composite Girders for Timber Bridge Rehabilitation - WCFT-S1, S2 &amp; S3 Installation Procedure (1 of 3 to 3 of 3)</td>
<td>Review to ensure drawing aligns with current departmental practices and updated design standards.</td>
</tr>
</tbody>
</table>

**MANUALS**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>DDPMS – Volume 3: Structural Drafting Standards – Chapter 13: Provision for Bridge Jacking, Inspection and Maintenance</td>
<td>Publication to be reviewed for currency.</td>
</tr>
<tr>
<td>DDPMS – Volume 3: Structural Drafting Standards – Chapter 16: Piles and Footings</td>
<td>Publication to be reviewed for currency.</td>
</tr>
<tr>
<td>MTM – Parts 2, 6, 9, 10 and 11</td>
<td>Update to align with Technical Specifications, correct referencing and add new / withdraw Test Methods.</td>
</tr>
</tbody>
</table>
Technical Publications Industry Update – July 2019

NEW TNXXX – Advice on Climate Change and Storm Tide
New Technical Note issued as Supplement to the RDM to provide advice on climate change and storm tide.

NEW TNXXX – Advice on Use of Rational Method for TMR projects
New Technical Note issues as a Supplement to the RDM to provide advice on use of rational method for departmental projects.

NEW TNXXX – The Economical Design / Construction of Cast-in-Place Piles (CIP) to MRTS63
Proposed new technical note regarding the Economical Design / Construction of Cast-in-Place Piles (CIP) to MRTS63.

WITHDRAW TN114 – Signing and Pavement Marking for Toll Roads
Incorporated into the department’s TRUM Manual Volume 3 Signing and Pavement Marking.

WITHDRAW TN115 – Signing and Linemarking for Heavy Vehicle Interception Sites
Incorporated into the department's TRUM Manual Volume 3 Signing and Pavement Marking.

WITHDRAW TN138 – Verge and Indented Parking
Incorporated into the department's Supplement to ATM Part 11 Parking.

WITHDRAW TN139 – Use of On-Street Space (kerb side road space) for Safer Cycling
Incorporated into the department's Supplement to ATM Part 11 Parking.

NEW TRUM – Volume 1, Part 11: Parking
New Supplement to AGTM Part 11 Parking, provides departmental position in Queensland and incorporates Technical Note TN139 Use of On-street Space (kerb side road space) for Safer Cycling.

WITHDRAW MUTCD – Part 2 Supplement
Incorporated in harmonised Queensland MUTCD Part 2.

WITHDRAW MUTCD – Part 3 Supplement
Incorporated in harmonised Queensland MUTCD Part 3.

WITHDRAW MUTCD – Part 15 Supplement
Incorporated in harmonised Queensland MUTCD Part 15.

POLICIES

EP155 – Policy for Road Operations CCTV
Review and update to ensure content align with current practices.

GUIDELINES

ITS Placement Guideline
Review to align with update to Part 5 of Transport and Main Roads supplement to AGRD and the RPDM.

CONTRACTS

Road Maintenance Performance Contract (RMPC) – Manual and Related Forms
Update content regarding maintenance strategies outside of South East Queensland.

TECHNICAL NOTES

TN109 – Video Record Keeping of Traffic Management at Roadworks
Review to align with release of Austroads’ Code of Practice on Temporary Traffic Management.

TN113 – Diversion route signage
Review to align with release of Australian Standard AS 1742.2 and/or AS 1742.15.

TN121 – Construction Materials Testing Supplier Registration System
Review of Registration System and update of content.

TN156 – Use of Remote Piloted Aerial System (RPAS) (to be incorporated into Surveying Standards)
Content to be incorporated into updated version of Surveying Standards. TN156 to then be withdrawn once incorporated.

TN159 – Treatment of under-depth underground Wiring Systems (UWS) in Brownfield Installations
General review and update of content.

TN160 – Applying Electrical Safety Legislation requirements to Road Operations’ Field Installations
General review and update of content.

TN175 – Selection and Design of Sprayed Bituminous Treatments
Update of content to align with latest Austroads recommendations.

NEW TNXXX – Advice on AAToC Methodology with ARR2016
New Technical Note issues as a Supplement to the RDM to provide advice on AAToC Methodology with AAR2016.

Definitions

SPECIFICATIONS and DRAWINGS: Rules and procedures by which a product, process or activity can be specified or defined.

CONTRACTS: The binding legal agreements between two parties.

TECHNICAL NOTES: Provide clarity or additional options not previously detailed in a specification, manual or guideline, or address emerging issues.

MANUALS: Technical information gathered into a single publication, discipline based.

POLICY: Provides a desired position and a guide for action.

GUIDELINES: Provide options on actions that will achieve optimal outcomes in line with Technical Standards.

Contact Details

tmr.techdocs@tmr.qld.gov.au
07 3066 6396

tmr.qld.gov.au/business-industry/technical-standards-publications