

## TRANSPORT FOR NSW

### MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

#### USE OF TfNSW SPECIFICATIONS

The documents listed in the following pages are policy documents within the meaning of the Government Information (Public Access) Act 2009 (NSW) (“GIPA Act”) and the documents are accordingly made available pursuant to Section 6 of the GIPA Act.

The roadworks and bridgeworks specifications were developed by Transport for NSW (TfNSW) for use with roadworks and bridgeworks contracts let by TfNSW or local councils. TfNSW only uses these specifications in conjunction with its other standard form documents and under the supervision of professional civil engineers who are trained and experienced in roadworks and bridgeworks. TfNSW does not use these specifications for any other purpose and does not consider them suitable for use for any other purpose.

Consistent with the GIPA Act, the purposes for which this document has been made available for your inspection are:

- (a) to satisfy TfNSW's obligation under Section 6 of the GIPA Act to make its policy documents available for inspection by members of the public;
- (b) to ensure that you, as a member of the public who may be affected by the operation of the documents, have access to the documents.

If you use the documents for any purpose which is not consistent with the above (including, without limitation, for carrying out any construction, engineering, maintenance or other work), you do so at your own risk.

These documents are current as at the date of this notice. However, you should be aware that TfNSW regularly reviews and updates its QA Specifications. You will not be notified of any update.

TfNSW will not provide advisory or support services in relation to these specifications.

Copyright in the listed documents belongs to TfNSW.

#### ACCESS TO SPECIFICATIONS AND TEST METHODS PUBLISHED ON INTERNET

TfNSW specifications can be viewed and downloaded free of charge at [Transport Standards Portal](#).

In the [Search standard](#) page, you can find a specification by filtering using keyword, document type, document discipline and document status. For document type, select “Specification”.

Alternatively, in the indexed [Quick search](#) page, you can filter by selecting the options under “Mode” and “Document type”. For Mode, select “Specification”, and for “Document type”, select “Road. This will list the details of the required documents and the links to them.

# MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

## TABLE OF CONTENTS

|   |    |
|---|----|
| USE OF TfNSW SPECIFICATIONS .....                                     | 1  |
| ACCESS TO SPECIFICATIONS AND TEST METHODS PUBLISHED ON INTERNET ..... | 1  |
| LEGAL DOCUMENTS .....   | 3  |
| GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS .....                   | 4  |
| ROADWORKS SPECIFICATIONS .....  | 7  |
| BRIDGEWORKS SPECIFICATIONS .....                                      | 16 |
| MATERIALS SPECIFICATIONS.....   | 20 |
| MAINTENANCE SPECIFICATIONS .....                                      | 24 |
| TRAFFIC SYSTEM SPECIFICATIONS .....                                   | 29 |
| D&C GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS.....                | 30 |
| D&C ROADWORKS SPECIFICATIONS.....                                     | 31 |
| D&C BRIDGEWORKS SPECIFICATIONS.....                                   | 36 |
| D&C MATERIALS SPECIFICATIONS .....                                    | 40 |
| D&C TRAFFIC SYSTEM SPECIFICATIONS .....                               | 43 |
| GUIDES TO TfNSW SPECIFICATIONS .....                                  | 45 |

# MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

## LEGAL DOCUMENTS

| Contract Document  |                                     | Date              | Title  | Comments<br>(Document section shown within brackets “[...]” must be customised)                                     |
|--------------------|-------------------------------------|-------------------|--|---|
| No.                | Edition/<br>Revision<br>(E.../R...) |                   |  |   |
| <del>C1</del>      | E1/R8                               | Jul 03            | <del>Conditions of Contract for Major Roadworks and Bridgeworks</del>  | Replaced by C2-GC21   |
| C2                 | E2/R22                              | Nov 22            | GC21 (Edition 2) TfNSW General Conditions of Contract  | [Contract Information]  |
| <del>C8</del>      | E1/R7                               | <del>Nov 11</del> | <del>GC21 (Edition 1) RTA Subcontract</del>  | No longer required with GC21  |
| C11-1              | E1/R3                               | Dec 19            | Registration of Interest for Construct Only Major Roadworks and Bridgeworks Contracts                        | [Appendices 1 & 2]  |
| C11-2              | E1/R2                               | Dec 19            | Returnable Schedules – Registration of Interest for Construct Only Major Roadworks and Bridgeworks Contracts | [Schedules 1, 3, 4, 5, 6, 8, 9, 10 & 12, Conforming Submission Checklist]   |
| C12                | E1/R39                              | May 21            | Request for Tenders – Major Roadworks and Bridgeworks  | [Clauses 1, 3, 5.1, 6.10, Annex RFT1, RFT2, RFT3, RFT4, RFT5]   |
| C14                | E2/R2                               | Dec 19            | Schedule of Estimated Quantities – Major Roadworks and Bridgeworks   | [Schedule]  |
| <del>C15</del>     | E1/R1                               | <del>Jun 02</del> | <del>Conditions of Single Invitation Contract (Construction of Development Works)</del>                      | <del>[Contract Schedule]</del><br>Withdrawn   |
| <del>C15-PAI</del> | E1/R3                               | <del>Dec 12</del> | <del>Conditions of Single Invitation Contract (Construction of Development Works)</del>                      | <del>Version of C15 for applying Principal Arranged Insurancee</del><br><del>[Contract Schedule]</del><br>Withdrawn |
| C17                | E2/R64                              | May 21            | Tender Form – Major Roadworks and Bridgeworks  | [Schedule of Rates, Schedule of Prices]   |
| <del>C18</del>     | <del>E2/R0</del>                    | <del>Jan 04</del> | <del>Schedule of Rates – Major Roadworks and Bridgeworks</del>   | Withdrawn and incorporated into C17   |
| C41                | E1/R39                              | July 23           | Minor Physical Works and Services - Terms for Contracted Work  |   |
| C61                | E1/R10                              | Dec 19            | Major Supply Agreement (Infrastructure)  | [Schedules 1, 2 & 3]  |
| C62                | E1/R7                               | Dec 19            | Minor Supply Agreement (Infrastructure)  | [Schedules 1, 2 & 3]  |
| C63                | E1/R6                               | Dec 19            | Minor Supply Agreement (Panel Contract) (Infrastructure)   | [Schedules 1 & 2]   |
| C65                | E1/R16                              | May 21            | Utility Works Contract   | [Schedule 1]  |
| C71                | E3/R2                               | May 21            | Professional Services Contract (Construction Industry)   | [Schedule 4]  |
| C72                | E3/R1                               | Dec 19            | (Cover) Panel Deed for Professional Services (Construction Industry)   |   |
| C73                | E2/R12                              | Dec 19            | Professional Services Contract (Construction Industry) Request for Tender                                    | [Schedule B7]   |
| C74                | E2/R11                              | Dec 19            | Professional Services Contract (Construction Industry) Request for Proposal                                  |   |
| C75                | E2/R8                               | Dec 19            | Professional Services Contract (Construction Industry) Request for Registration of Interest                  |   |
| C76                | E1/R0                               | May 21            | Professional Services Short Form Contract (Construction Industry)  | [Annexures A & B]   |
| C91                | E2/R0                               | Mar 20            | Design and Construct Project Deed  | [Schedules 1, 31, 43 & 45]  |
| C92                | E1/R21                              | Sep 17            | Design and Construct Request for Tender  | [Schedules A & B]   |
| C93                | E1/R22                              | Sep 17            | Design and Construct Registration of Interest  | [Appendices 1, 2 & 5]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                   |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised)      |
|--------------------|-------------------|-------------------------------------|-------------------|--|------------------------------------|--|--|
| New<br>designation | No.<br>TfNSW...   | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)   |  |
| TS 01565           | G1                | E2/R1                               | Jun 20            | Job Specific Requirements  |                                    |  | Template only. Refer to Engineering Contract Manual Section 2.3.                           |
| TS 01566           | G2-C2             | E5/R24                              | Nov 21            | General Requirements (Major Contracts)                                   | Q                                  | G36, G71, R11, R23, R33, R37, R38, R44, R50, R55, R57, R58, R59, R63, R71, R73, R75, R82, R83, B80, 3051, 3071, 3580 | [G2-C2/A] Attach relevant Drawings<br>[G2-C2/E]  |
|                    | <del>G2-C15</del> | <del>E2/R3</del>                    | <del>Jun 11</del> | <del>General Requirements (Single Invitation Development Contract)</del> | <del>Q</del>                       |  | Withdrawn  |
| TS 01567           | G2-C41            | E2/R13                              | Jun 20            | General Requirements (Minor Physical Works and Services)                 | Q                                  | G36, G71   | [G2-C41/A] Attach relevant Drawings  |
| TS 01568.1         | G4                | E2/R3                               | May 21            | Principal’s Project Accommodation  | Q, R178                            |  | [G4/A]   |
| TS 02333           | G5                | E2/R1                               | Jun 20            | Working in RailCorp Property   | Q, G22, G36, R44                   |  | [G5/A, G5/E, G5/F, G5/G, G5/H]   |
| TS 03249.1         | G7                | E1/R7                               | Feb 21            | Utility Adjustment   | Q, G2, G10, G22, G36, G38, R44     | R11, R151, R155, TS101   | [4.5, 5.5, 6.1.2, 6.1.3, 6.2.2, 6.2.3, 6.3, 7.1.1, 7.1.3, 7.1.4, 8.2, 9, G7/A, G7/B, G7/E] |
| TS 03401.1         | G10               | E7/R5                               | Aug 20            | Traffic Management   | Q, G2                              | R132, R142, R143, R145, TS101, TSI-SP-008  | [G10/A, G10/B]   |
|                    | <del>G11M</del>   |                                     |                   | <del>Road Occupancy Provisions</del>                                     |                                    |  | Withdrawn  |
|                    | <del>G21</del>    | <del>E4/R0</del>                    | <del>Nov 11</del> | <del>Occupational Health &amp; Safety (Minor Works)</del>                |                                    | Q  | Withdrawn; replaced by G22   |
| TS 02338.1         | G22               | E6/R5                               | Jun 21            | Work Health and Safety (Construction Work)                               | Q                                  |  | [3.8.3, G22/A]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised)  |
|--------------------|-----------------|-------------------------------------|-------------------|--|------------------------------------|--|--|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)   |  |
|                    | G23             | E1/R5                               | Sep 08            | Occupational Health & Safety Construction<br>(Non-Road and Bridge) Works and<br>Services |                                    | Q  | Withdrawn; replaced by G22   |
| TS 02339           | G24             | E3/R3                               | Jun 20            | Work Health and Safety (Non-construction<br>Work)  |                                    | Q  | [G24/A]  |
|                    | <del>G34M</del> |                                     |                   | <del>Environmental Protection— Management<br/>Plan</del>                                 |                                    |  | Withdrawn; replaced by G36   |
|                    | G35             | E3/R7                               | Jun 11            | Environmental Protection (Management<br>Plan)  | Q, G2                              | G38 or G39, G40, R178,<br>R201   | Withdrawn; replaced by G36   |
| TS 01450.1         | G36             | E4/R10                              | Aug 22            | Environmental Protection   | Q, G2, G38, G40                    | R44, R178, R179, R201  | [3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7,<br>3.8, 3.9, 3.11, 4.2.1, 4.4.1, 4.5,<br>4.6, 4.7, 4.8, 4.9, 4.10, 4.11.1,<br>4.11.4, 4.12, 4.13, 4.15.1, 4.16,<br>5, G36/A, G36/B, G36/E] |
| TS 01451.1         | G38             | E2/R4                               | Jun 20            | Soil and Water Management  | Q, R44, R178                       | G36, R11, R55, R63   | [2.1.2, 2.2.2, 3.3.4, 3.4.2, 3.7.2,<br>3.8, G38/A]   |
|                    | <del>G39</del>  | <del>E1/R2</del>                    | <del>Jul 11</del> | <del>Soil and Water Management (Erosion and<br/>Sediment Control Plan)</del>             | <del>Q, G2</del>                   | <del>G36, R11, R178</del>  | Withdrawn; replaced by G38   |
| TS 03251.1         | G40             | E1/R2                               | Jun 20            | Clearing and Grubbing  | Q, G36, G38,<br>R178               | R201   | [1.1, G40/A, G40/B]  |
| TS 01456.1         | G71             | E2/R4                               | Dec 20            | Construction Surveys   | Q, G22                             | G2, G7, G10, G40, G73,<br>R44, R73, R81, R82, R83,<br>R271, B50, B51, B53, B54,<br>B57, B58, B59, B61, B63,<br>B80, B110, B115, B150,<br>B152, B153, B170, B201,<br>B261, B264, B284, B349 | [G71/A, G71/B]   |
| TS 03253           | G73             | E3/R1                               | Jun 20            | Detail Survey  | G24                                |  | [G73/A, G73/H]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title                                | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised)                            |
|--------------------|-----------------|-------------------------------------|-------------------|--------------------------------------|------------------------------------|----------------------|--|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |                                      | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |  |
| TS 03400           | G75             | E1/R0                               | Nov 20            | Geographic Information Systems (GIS) |                                    |                      | [G75/A]  |
| TS 01569           | Q2              | E1/R8                               | Jun 21            | Quality Management System (Type 2)   | G2, G22, G36                       | G71                  | [Annexure Q/A]<br>Recommended for QA<br>contracts < \$0.2m and not<br>requiring TfNSW Prequal or<br>Registration |
| TS 01570.1         | Q3              | E3/R10                              | Jun 21            | Quality Management System (Type 3)   | G2, G22, G36                       | G71                  | [Annexure Q/A]<br>Recommended for MPWS<br>Contracts requiring TfNSW<br>Registration                              |
| TS 03361           | Q4M             |                                     |                   | Quality Management System (Type 4)   |                                    |                      | Refer to Section for<br>Maintenance below  |
| TS 01571.1         | Q4              | E2/R10                              | Jun 21            | Quality Management System (Type 4)   | G2, G22, G36                       | G71                  | [Annexure Q/A]<br>Recommended for MPWS<br>Contracts \$0.2 - \$1.0m   |
|                    | <del>Q5</del>   | <del>E2/R4</del>                    | <del>May 03</del> | <del>Quality System (Type 5)</del>   | <del>G2</del>                      |                      | Withdrawn; replaced by Q4  |
| TS 01572           | Q6              | E1/R12                              | Jun 21            | Quality Management System (Type 6)   | G2, G22, G36                       | G71                  | [Annexure Q/A]<br>Recommended for Major<br>Contracts > \$1.0m  |
|                    | <del>Q7</del>   | <del>E5/R4</del>                    | <del>May 03</del> | <del>Quality System (Type 7)</del>   | <del>G2</del>                      |                      | Withdrawn; replaced by Q6  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title                                    | Referenced Documents<br>(TfNSW...)            |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|---|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                         | Optional<br>(NOTE 2)   |   |
| TS 03254.1         | R11             | E5/R8                               | Sep 21            | Stormwater Drainage                      | Q, R44, R53                                   | G2, G38, B80, B115, R15,<br>R16, R55, R63, R83, R116,<br>R119, R178, 3051, 3204,<br>3552, 3553 | [R11/A]   |
| TS 03255.1         | R15             | E5/R0                               | Aug 20            | Kerbs and Channels (Gutters)             | Q, R53, 3204                                  |  |   |
| TS 03256.1         | R16             | E3/R2                               | Jun 20            | Precast Reinforced Concrete Box Culverts | Q, B80, R11                                   |  | [R16/A]   |
|                    | <del>R22</del>  | <del>E5/R0</del>                    | <del>Jun 12</del> | <del>Corrugated Metal Structures</del>   | <del>Q, G2, R11, R44,<br/>R53</del>           | <del>G38 or G39, R63</del>   | Withdrawn until further notice  |
| TS 03257.1         | R23             | E4/R5                               | Jun 20            | Plastic Flexible Pipes                   | Q, R11  | G2, G38, R44   |   |
| TS 03258.1         | R24             | E1/R1                               | Jun 20            | Precast Concrete Arches                  | Q, G40, B80,<br>B115, B153,<br>B345, R11, R44 | B58, B59, R33, R57, R58  | [R24/A]   |
| TS 03259.1         | R31             | E1/R1                               | Jun 20            | Vertical Wick Drains                     | Q   | G40, R44, R63  | [R31/A]   |
|                    | <del>R32</del>  | <del>E3/R2</del>                    | <del>Mar 09</del> | <del>Subsurface Drainage Materials</del> |   | <del>R63, 3051, 3211, 3552,<br/>3553, 3555, 3556</del>   | Withdrawn; incorporated into<br>3580  |
| TS 03260.1         | R33             | E4/R5                               | Aug 20            | Trench Drains                            | Q, R44, R63                                   | R38, 3222, 3552, 3553,<br>3556, 3580   |   |
| TS 03261.1         | R37             | E4/R4                               | Jun 20            | Intra-pavement Drains                    | Q, R44, R63,<br>3222, 3555                    | R33  |   |
| TS 03262.1         | R38             | E4/R4                               | Jun 20            | Edge Drains                              | Q, R44, R63,<br>3222,                         | R33, 3552, 3556  |   |
|                    | <del>R39</del>  | <del>E2/R1</del>                    | <del>May 09</del> | <del>Drainage Mats</del>                 | <del>R32, R63</del>                           |  | Withdrawn   |
| TS 02159.1         | R40             | E1/R4                               | Jun 20            | Horizontal Drains                        | Q, G36, R63                                   |  | [R40/A]   |
| TS 02158.1         | R44             | E6/R0                               | Jun 23            | Earthworks                               | Q, G36, G38, G40,<br>G71                      | G7, G10, B30, R11, R33,<br>R50, R58 or R59, R63,<br>R67, R178, 3071, 3211                      | [R44/A]   |

# MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

## ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...)            |                                  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|---|----------------------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)                         | Optional<br>(NOTE 2)             |   |
|                    |                 |                                     |        |  | TS 03263                                      | R49                              |   |
| TS 02161.1         | R50             | E4/R1                               | Jun 20 | Stabilisation of Earthworks                                    | Q, G36, R44, 3211                             | 3254                             | [R50/A]   |
| TS 03264.1         | R53             | E3/R5                               | Mar 21 | Concrete for General Works                                     | Q, G36, 3211                                  | B203, R225, 3154                 |   |
| TS 03265.1         | R54             | E3/R3                               | Oct 20 | General Concrete Paving  | Q, R44, R53, 3204                             | R83, 3051                        | Previously released as R173   |
| TS 02162.1         | R55             | E3/R2                               | Jun 20 | Rock Filled Gabions and Mattresses                             | Q, R44, R63                                   |                                  |   |
| TS 02163           | R56             | E3/R5                               | Jun 20 | Ground Anchors (Schedule of Rates)                             | Q, G36, 3211                                  | B114                             | [R56/A]   |
| TS 02164.1         | R57             | E2/R11                              | Jun 20 | Design of Reinforced Soil Walls                                | Q   | B80, B115, R58 or R59,<br>2380   | [R57/A]   |
| TS 02165.1         | R58             | E3/R8                               | Jun 20 | Construction of Reinforced Soil Walls<br>(Contractor’s Design) | Q, G40, G71, R44,<br>R57, R63, B80            | B115                             | Former R58 now divided into<br>R58 and R59  |
| TS 02166           | R59             | E3/R8                               | Jun 20 | Construction of Reinforced Soil Walls<br>(Principal’s Design)  | Q, G40, G71, R44,<br>R57, R63, B80            | B115                             | R59 was previously part of<br>R58, but now a separate<br>document                     |
| TS 02167.1         | R63             | E4/R2                               | Jun 20 | Geotextiles (Separation and Filtration)                        | Q   |                                  | [R63/A]   |
| TS 02168.1         | R64             | E1/R7                               | Nov 20 | Soil Nailing   | Q, R63, R68, 3211                             | R40, B80, 3557                   | [R64/A]   |
| TS 02169.1         | R67             | E1/R2                               | Jun 20 | High Strength Geosynthetic Reinforcement                       | Q, R44  |                                  | [R67/A]   |
| TS 02170.1         | R68             | E1/R4                               | Jun 20 | Shotcrete Work Without Steel Fibres                            | Q, G36, 3211                                  |                                  | [R68/A]   |
| TS 03266.1         | R71             | E5/R1                               | Jun 20 | Construction of Unbound and Modified<br>Pavement Course        | Q, G36, G38, G71,<br>3051                     | 3211, R106, R107, R178           | [R71/A]   |
| TS 03267.1         | R73             | E3/R3                               | Dec 21 | Plant Mixed Heavily Bound Pavement<br>Course                   | Q, G10, G36, G38,<br>G71, 3051, 3211          | R106 or R107, R178               | [R73/A]   |
| TS 03268.1         | R75             | E3/R1                               | Jun 20 | Insitu Pavement Stabilisation Using Slow<br>Setting Binders    | Q, G36, G38, G71,<br>3051, 3211               | G10, R101, R106 or R107,<br>R178 | [R75/A]   |
| TS 03423.1         | R76             | E1/R1                               | Jun 20 | Insitu Pavement Stabilisation Using<br>Foamed Bitumen          | Q, G22, G36, G38,<br>G71, 3051, 3211,<br>3253 | G10, R101, R106 or R107,<br>R178 | [R76/A]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title   | Referenced Documents<br>(TfNSW...)                       |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|---|--|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |   | Mandatory<br>(NOTE 1)                                    | Optional<br>(NOTE 2)                                     |   |
| TS 03269.1         | R81             | E2/R2                               | Feb 21            | No Fines Concrete Subbase                                   | Q, G36, G71, R53,<br>3211                                | R82, R116  | [R81/A]   |
| TS 03270.1         | R82             | E4/R4                               | Feb 21            | Lean-mix Concrete Subbase                                   | Q, G36, G71, 3211  | R83, R106, R111, 3151,<br>3154, 3253, 3254               | [R82/A]   |
| TS 03271.1         | R83             | E3/R3                               | Feb 21            | Concrete Pavement Base                                      | Q, G36, G71, R15,<br>R82, 3204, 3211                     | R53, R93, R106, R145,<br>B203, 3051, 3154, 3253,<br>3254 | [R83/A]   |
|                    | <del>R84</del>  | <del>E2/R8</del>                    | <del>Sep 10</del> | <del>Continuously Reinforced Concrete Base</del>            | <del>Q, G2, G36, G71,<br/>R53, R82, 3204,<br/>3211</del> | <del>R106, B204</del>                                    | Withdrawn; incorporated into<br>R83   |
| TS 03272.1         | R90             | E1/R1                               | Jun 20            | Roller Compacted Concrete Subbase                           | Q, 3221  | R106, R111, 3254   | [R90/A]   |
| TS 03273.1         | R93             | E1/R2                               | Jun 20            | Diamond Grinding of Concrete Pavement                       | Q  | G36  | [R93/A]   |
| TS 06306.1         | R94             | E1/R0                               | Aug 22            | Low Noise Diamond Grinding of Concrete Pavement             | Q  | G36, R83   | [R94/A]   |
| TS 03274.1         | R101            | E3/R3                               | Nov 22            | Cold Milling of Road Pavement Materials                     | Q, G10   | R116   | [R101/A, R101/E]  |
| TS 03275           | R103            | E1/R3                               | Jun 20            | High Pressure Waterblasting of Bituminous Seals             | Q, G10,<br>R106 or R107                                  |  | [R103/A]  |
| TS 03276.1         | R106            | E4/R2                               | Jun 20            | Sprayed Bituminous Surfacing (with Cutback Bitumen)         | Q, G10, 3151,<br>3253, 3258, 3259,<br>3261               | B344   | [R106/A]  |
| TS 03277.1         | R107            | E3/R2                               | Jun 20            | Sprayed Bituminous Surfacing (with Polymer Modified Binder) | Q, G10, 3151,<br>3252, 3268, 3269                        | R106, B344, 3253   | [R107/A]  |
| TS 03278.1         | R109            | E2/R1                               | Jun 20            | Bituminous Slurry Surfacing                                 | Q, G10, 3211   |  | [R109/A]  |
| TS 03279.1         | R110            | E2/R3                               | Jun 20            | Coloured Surface Coatings for Bus Lanes and Cycleways       | Q, G10, G36  |  | [R110/A]  |
| TS 03280.1         | R111            | E2/R1                               | Jun 20            | Sprayed Bituminous Surfacing (with Bitumen Emulsion)        | Q, G10, 3151,<br>3254, 3258                              | 3252   | [R111/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...)          |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|---|---|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                       | Optional<br>(NOTE 2)                                |   |
| TS 03281           | R112            | E2/R1                               | Jun 20            | Sprayed Bituminous Surfacing (for Enrichment & Rejuvenation) | Q, G10                                      | 3253, 3254, 3261                                    | [R112/A]  |
| TS 03282           | R113            | E2/R1                               | Jun 20            | Sprayed Bituminous Surfacing (with Fibre Reinforcement)      | Q, G10, 3151, 3252, 3254, 3258              |   | [R113/A]  |
| TS 03283.1         | R116            | E9/R2                               | Sep 21            | Heavy Duty Dense Graded Asphalt                              | Q, G10, G71, R101, 3152, 3211, 3252 or 3253 | 3153, 3154  | [R116/A]<br>Former R116 now divided into R116 and R119                                |
| TS 03284.1         | R117            | E2/R0                               | Aug 22            | Light Duty Dense Graded Asphalt                              | Q, G10, 3152, 3211, 3252 or 3253            | R101, 3153, 3154                                    | [R117/A]  |
| TS 03285.1         | R118            | E1/R4                               | Sep 20            | Crumb Rubber Asphalt   | Q, G10, G22, 3152, 3211, 3253, 3256, 3259   | R101, R116, R117, 3154                              | [R118/A]  |
| TS 03286.1         | R119            | E1/R5                               | Sep 20            | Open Graded Asphalt  | Q, G10, 3152, 3211, 3252, 3259, 3269        | R101, R116  | [R119/A]<br>Was previously part of R116, but now a separate document                  |
| TS 03287.1         | R121            | E3/R4                               | Sep 20            | Stone Mastic Asphalt   | Q, G10, 3152, 3211, 3252                    | R101, R116, 3154, 3259 or 3269                      | [R121/A]  |
| TS 03288           | R123            | E2/R2                               | Sep 20            | Thin Open Graded Asphalt Surfacing                           | Q, G10, 3211, 3252                          | 3269  | [R123/A]  |
| TS 03289.1         | R126            | E1/R3                               | Sep 20            | High Modulus Asphalt (EME2)                                  | Q, G10, G71, 3152, 3211, 3253               | R101, R116  | [R126/A]  |
| TS 03290.1         | R131            | E5/R0                               | Mar 21            | Installation of Guide Posts                                  | 3411  | G36   | [R131/A]  |
| TS 03291.1         | R132            | E3/R5                               | Jun 20            | Safety Barrier Systems                                       | Q, G71                                      | G10, G22, G36, R53, 3204                            | [R132/A, R132/F, R132/G, R132/H]  |
|                    | <del>R141</del> | <del>E7/R1</del>                    | <del>Jun 20</del> | <del>Pavement Marking</del>                                  | <del>Q, G10, 3353</del>                     | <del>R110, R142, 3351, 3356, 3357, 3359, 3360</del> | Withdrawn   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...)             |                                | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|--|--------------------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                          | Optional<br>(NOTE 2)           |   |
| TS 03292.1         | R142            | E4/R7                               | Jun 20            | Retroreflective Raised Pavement Markers  | Q, 3354  | G10                            |   |
| TS 03293.1         | R143            | E5/R3                               | Jun 20            | Signposting  | Q, G10, R53,<br>B240, 3400                     | B80, B201                      | [R143/A]  |
| TS 03294.1         | R145            | E5/R0                               | Jul 20            | Pavement Marking (Performance Based)   | Q, G10   | 3351                           | [R145/A]  |
|                    | <del>R146</del> | <del>E2/R0</del>                    | <del>Jan 09</del> | <del>Pavement Marking Maintenance (Rural<br/>Regions)</del>                      | <del>G10, R141</del>                           |                                | Withdrawn   |
| TS 03295.1         | R151            | E4/R3                               | Jun 20            | Street Lighting  | Q, R53, 3851                                   |                                |   |
| TS 03296.1         | R152            | E3/R2                               | Jun 20            | Roadside Emergency Telephone Pillars   |  |                                | [R152/A]  |
| TS 02171.1         | R153            | E1/R2                               | Jun 20            | Tunnel and Underpass Main Switchboard,<br>Distribution Boards and Control Panels | Q  |                                | [R153/A]  |
| TS 02172.1         | R154            | E1/R2                               | Jun 20            | Tunnel and Underpass Electrical Services<br>Works                                | Q  |                                | [R154/A]  |
| TS 03297.1         | R155            | E1/R8                               | Jun 20            | Design and Construction of Underground<br>Cableways                              | Q, G2, G10, G22,<br>G36, G38, G73,<br>R11, R44 | R132, 3368, TS101              | [R155/A]  |
|                    | <del>R156</del> | <del>E3/R1</del>                    | <del>Mar 12</del> | <del>Maintenance of Traffic Signals (Activity-<br/>Based)</del>                  | <del>Q, G10, G22, G36,<br/>SI/TCS/8</del>      |                                | Withdrawn; replaced by R300<br>series   |
|                    | <del>R157</del> | <del>E3/R0</del>                    | <del>Mar 12</del> | <del>Maintenance of Traffic Signals<br/>(Performance Based)</del>                | <del>Q, G10, G22, G36,<br/>SI/TCS/8</del>      |                                | Withdrawn; replaced by R300<br>series   |
| TS 02173.1         | R158            | E1/R4                               | Jun 20            | Road Tunnel and Underpass Lighting   | Q  |                                | [R158/A]  |
|                    | <del>R160</del> | <del>E1/R2</del>                    | <del>Feb 11</del> | <del>Closed Circuit Television System for<br/>Broadband Connection</del>         | <del>R155, TSI-SP-016,<br/>SI/TCS/8</del>      |                                | Withdrawn; replaced by TS106  |
|                    | <del>R161</del> | <del>E3/R2</del>                    | <del>Oct 03</del> | <del>Fencing</del>   | <del>Q</del>                                   | <del>G34M, G35, G36, R53</del> | Renumbered as R201  |
| TS 02174.1         | R163            | E1/R3                               | Nov 20            | Tunnel Ventilation Axial Fans  | Q, B201, B240                                  |                                | [R163/A]  |
| TS 02175.1         | R164            | E1/R3                               | Nov 20            | Tunnel Jet Fans  | Q, B201, B240                                  |                                | [R164/A]  |
| TS 02176.1         | R165            | E1/R1                               | Nov 20            | In-Tunnel Air Quality Monitors   | Q  |                                | [R165/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...)            |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|---|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)                         | Optional<br>(NOTE 2)   |   |
|                    | R173            | E2/R3                               | Jun 17 | General Concrete Paving                            | Q, R44, R53, 3204                             |  | Renumbered as R54   |
| TS 03298.1         | R178            | E5/R5                               | Jun 20 | Vegetation   | Q, 3254                                       | R44, R179  | [R178/A]  |
| TS 03299.1         | R179            | E1/R4                               | Jun 20 | Landscape Planting                                 | Q, G22, G36,                                  | G10, R178  | [R179/A]  |
| TS 03300.1         | R201            | E5/R1                               | Jun 20 | Fencing  | Q, G22, G71                                   | G36, R44, R53, R143  | [R201/A]<br>Previously published as R161  |
| TS 03301.1         | R204            | E2/R2                               | Jun 20 | Property Adjustments                               | Q, G36, G38, G71                              | G1, G22, R11, R53, R54,<br>R71, R117, R179, R201,<br>B80, B201, B240, B341,<br>3211                                    | [R204/A, R204/M]  |
| TS 03302.1         | R223            | E1/R1                               | Jun 20 | Dry Deep Soil Mixing                               | Q, 3211                                       |  | [R223/A]  |
| TS 03303.1         | R225            | E2/R0                               | Mar 21 | Concrete Injected Columns                          | Q, R53, R67                                   |  | [R225/A]  |
| TS 03247.1         | R271            | E2/R7                               | Jun 20 | Design and Construction of Noise Walls             | Q, G1, G2, G38,<br>G40, G71, G73,<br>B30, R44 | B50, B51, B53, B54, B57,<br>B58/B59, B61, B201, B220,<br>B240, B246, B349, 2380  | Guide Notes previously at front<br>of document now Guide NR271                        |
| TS 03314.1         | R272            | E1/R3                               | Oct 21 | Automatic Weather Stations                         | Q   |  | [R272/A]  |
| TS 06138           | R300            | E1/R3                               | Oct 14 | ITS Maintenance Services – General<br>Requirements |   | R301, R302, R303, R304,<br>R305, R306, R308, R311,<br>R312, R313, R314, R315,<br>R316, R317, R319, R320,<br>R321, R322 |   |
| TS 06139           | R301            | E1/R3                               | Oct 14 | Maintenance of Traffic Control Signals             |   |  |   |
| TS 06140           | R302            | E1/R2                               | Apr 14 | Maintenance of Variable Message Signs              | R305, TSI-SP-003,<br>TSI-SP-008               |  |   |
| TS 06141           | R303            | E1/R2                               | Apr 14 | Maintenance of Variable Speed Limit<br>Signs       | R305, R318,<br>TSI-SP-003,<br>TSI-SP-011      |  |   |
| TS 06142           | R304            | E1/R2                               | Apr 14 | Maintenance of Traffic Monitoring Units            | R318, TSI-SP-003                              |  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title   | Referenced Documents<br>(TfNSW...)                                |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|---|---|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)   | Optional<br>(NOTE 2) |   |
| TS 06143           | R305            | E1/R2                               | Apr 14 | Maintenance of Tidal Flow Systems                           | R301, R302,<br>R303, R320,<br>TSC/4,<br>TSI-SP-003,<br>TSI-SP-008 |                      |   |
| TS 06144           | R306            | E1/R2                               | Apr 14 | Maintenance of Travel Time Information Systems              | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |
| TS 06145           | R307            | E1/R1                               | Jun 16 | Maintenance of Road Lighting                                | R300  |                      |   |
| TS 06146           | R308            | E1/R2                               | Apr 14 | Maintenance of Road Weather Information Systems             | R302, R303,<br>R305, TSI-SP-003,<br>TSI-SP-008                    |                      |   |
| TS 03633           | R311            | E1/R2                               | Apr 14 | Maintenance of Over-Speed Detection Systems                 | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |
| TS 03634           | R312            | E1/R2                               | Apr 14 | Maintenance of Over-Height Detection Systems                | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |
| TS 03635           | R313            | E1/R2                               | Apr 14 | Maintenance of Vehicle Detection and Classification Systems | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |
| TS 03636           | R314            | E1/R2                               | Apr 14 | Maintenance of Sydney CBD Emergency Warning Systems         | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |
| TS 03637           | R315            | E1/R2                               | Apr 14 | Maintenance of Advance Warning Systems                      | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016                    |                      |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title   | Referenced Documents<br>(TfNSW...)  |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|---|---|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)   | Optional<br>(NOTE 2) |   |
| TS 03638           | R316            | E1/R2                               | Apr 14 | Maintenance of Lane Use Management Systems  | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016  |                      |   |
| TS 03639           | R317            | E1/R2                               | Apr 14 | Maintenance of Communication Systems  | TSI-SP-003,<br>TSI-SP-016,<br>TSI-SP-021,<br>TSI-SP-022                               |                      |   |
| TS 03640           | R319            | E1/R2                               | Apr 14 | Maintenance of Enforcement Systems  | TSI-SP-005,<br>TSI-SP-014,<br>TSI-SP-016,<br>TSI-SP-019,<br>TSI-SP-025,<br>TSI-SP-026 |                      |   |
| TS 03641           | R320            | E1/R2                               | Apr 14 | Maintenance of Changeable Message Signs   | R305, R318  |                      |   |
| TS 03642           | R321            | E1/R2                               | Apr 14 | Maintenance of Weigh-in-Motion Systems  | R300, TSI-SP-008,<br>TSI-SP-014,<br>TSI-SP-016  |                      |   |
| TS 03643           | R322            | E1/R2                               | Apr 14 | Maintenance of Closed Circuit Television Systems  | R300, TSI-SP-014,<br>TSI-SP-016   |                      |   |
|                    | R421            | E1/R0                               | Jul 10 | Measurement of Longitudinal Line Marking by Mobile Retroreflector                                   | Q   | R145                 | Renumbered as M921  |
|                    | R422            | E1/R2                               | Dec 13 | Measurement of Roughness, Rutting and Texture by Laser Profilometer                                 | Q, G22  |                      | Renumbered as M922  |
|                    | R423            | E1/R1                               | Dec 13 | Measurement of Surface Friction by Sideways Force Coefficient Routine Investigation Machine (SCRIM) | Q, G22  |                      | Renumbered as M923  |
|                    | R424            | E1/R1                               | Dec 13 | Measurement of Surface Cracking by Roadcrack  | Q, G10, G22   |                      | Renumbered as M924  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |   |
|                    | R425            | E1/R3                               | Dec 13 | Measurement of Deflection by Falling<br>Weight Deflectometer (FWD) | Q, G22                             |                      | Renumbered as M925  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...) |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|------------------------------------|---|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)                        |   |
|                    |                 |                                     |        |  | TS 01723.1                         | B30   |   |
| TS 01724.1         | B50             | E4/R2                               | Jun 20 | Driven Reinforced Concrete Piles   | Q, G22, B80,<br>B115               | B30, B203                                   |   |
| TS 01725.1         | B51             | E4/R2                               | Jun 20 | Driven Prestressed Concrete Piles  | Q, G22, B80,<br>B110               | B30, B203                                   |   |
| TS 01726.1         | B53             | E3/R2                               | Jun 20 | Driven H-Section Steel Piles   | Q, G22, B201                       | B30   |   |
| TS 01727.1         | B54             | E3/R3                               | Jun 20 | Driven Tubular Steel Piles   | Q, G22, B80,<br>B201               | B30   |   |
| TS 01728.1         | B57             | E2/R4                               | Sep 21 | Driven Cast-in-place Concrete Piles                                      | Q, G22, G36, B80                   | B30   |   |
| TS 01729.1         | B58             | E6/R0                               | Nov 20 | Bored Cast-in-place Reinforced Concrete Piles (With Permanent Casing)    | Q, G22, G36, B80,<br>B201          |   |   |
| TS 01730.1         | B59             | E6/R0                               | Nov 20 | Bored Cast-in-place Reinforced Concrete Piles (Without Permanent Casing) | Q, G22, G36, B80,<br>3211          |   |   |
| TS 01731.1         | B61             | E3/R2                               | Jun 20 | Driven Composite Piles   | Q, G22, B80,<br>B110, B201, B203   | B30   |   |
| TS 01732.1         | B63             | E2/R2                               | Jun 20 | Continuous Flight Auger (CFA) Piles                                      | Q, G22, G36, B80                   |   |   |
| TS 01733.1         | B80             | E7/R5                               | Feb 21 | Concrete Work for Bridges  | Q, G36, G71, 3211                  | B110, B113, B115, B170,<br>B201, B203, B240 | [B80/A]   |
| TS 01734.1         | B82             | E2/R5                               | Jun 20 | Shotcrete Work   | Q, G36, 3211                       |   | [B82/A]<br>Not recommended for use in<br>minor works                                  |
| TS 01735.1         | B110            | E4/R1                               | Jun 20 | Pretensioned Precast Concrete Members                                    | Q, G22, B80                        |   |   |
| TS 01736.1         | B113            | E3/R6                               | Jun 20 | Post-Tensioning of Concrete  | Q, B80                             | B119  |   |
| TS 01737.1         | B114            | E3/R7                               | Jun 20 | Ground Anchors (Lump Sum)  | Q, G36, 3211                       |   | [B114/A]  |
| TS 01738.1         | B115            | E3/R2                               | Jun 20 | Precast Concrete Members (Not Pretensioned)                              | Q, G22, B80                        | B113  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...)   |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|--------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                | Optional<br>(NOTE 2) |   |
| TS 01739           | B119            | E1/R2                               | Jun 20            | Approval of Post-Tensioning Systems                                      | Q                                    | B113, B114, R56      |   |
| TS 01740.1         | B150            | E3/R3                               | Jun 20            | Erection of Pretensioned Precast Concrete Members                        | Q                                    | G71, B110            |   |
| TS 01741.1         | B152            | E3/R2                               | Jun 20            | Incrementally Launched Prestressed Concrete Girders                      | Q, B80, B113, B281                   |                      | [B152/A]  |
| TS 01742.1         | B153            | E1/R5                               | Jun 20            | Erection of Precast Concrete Members (Not Pretensioned)                  | Q, B80, B115,                        | G71, B284            |   |
| TS 01743.1         | B170            | E4/R2                               | Jun 20            | Supply and Installation of Void Formers                                  | Q                                    |                      |   |
|                    | <del>B200</del> | <del>E3/R1</del>                    | <del>Jun 11</del> | <del>Fabrication of Major Steel Structural Members</del>                 |                                      |                      | Withdrawn; replaced by B201   |
| TS 01744.1         | B201            | E1/R2                               | Sep 21            | Steelwork for Bridges  | Q, G1, G2, G22, G36, B80, B220, B240 |                      | [B201/A]  |
|                    | <del>B202</del> | <del>E3/R0</del>                    | <del>Oct 08</del> | <del>Supply of Steel Bridge Girders by the Principal</del>               |                                      |                      | Withdrawn; replaced by B201   |
| TS 01745.1         | B203            | E1/R1                               | Jun 20            | Welding of Reinforcing Steel   | Q                                    |                      |   |
|                    | <del>B204</del> | <del>E2/R1</del>                    | <del>Feb 07</del> | <del>Welding of Bridges and Other Road Structures</del>                  |                                      |                      | Withdrawn; replaced by B201   |
| TS 01746.1         | B220            | E4/R1                               | Jun 20            | Protective Treatment of Bridge Steelwork                                 | Q, G22, G36, 3651                    | B223, B240           | [B220/A]  |
| TS 01747           | B223            | E1/R6                               | Sep 21            | Management of Lead, Chromium and Asbestos in Bridge Maintenance Painting | Q, G22                               |                      |   |
| TS 01748.1         | B240            | E6/R2                               | Jun 20            | Steel Fasteners  | Q, B201                              |                      | [B240/A]  |
|                    | <del>B241</del> | <del>E4/R3</del>                    | <del>Oct 13</del> | <del>Manufacture and Supply of Minor Steel Items</del>                   |                                      |                      | Withdrawn; replaced by B201   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |   |
| TS 01749.1         | B242            | E3/R1                               | Jun 20            | Manufacture and Supply of Aluminium Barriers                         | Q                                  |                      |   |
| TS 01750.1         | B245            | E3/R2                               | Jun 20            | Fabrication of Aluminium Structural Members                          | Q                                  | B261                 | [B245/A]  |
| TS 01751.1         | B246            | E3/R1                               | Jun 20            | Manufacture and Supply of Minor Aluminium Items                      | Q                                  |                      | [B246/A]  |
|                    | <del>B260</del> | <del>E3/R0</del>                    | <del>Dec 08</del> | <del>Erection of Structural Steelwork</del>                          |                                    |                      | Withdrawn; replaced by B201   |
| TS 01752.1         | B261            | E3/R1                               | Jun 20            | Erection of Structural Aluminium                                     | Q                                  | B240                 | [B261/A]  |
| TS 01753.1         | B264            | E3/R2                               | Jun 20            | Erection of Barrier Railings and Minor Components                    | Q                                  | B345                 |   |
| TS 01754.1         | B280            | E5/R1                               | Jun 20            | Plain Elastomeric Bearing Pads and Strips                            | Q, B284                            |                      |   |
| TS 01755.1         | B281            | E5/R1                               | Jun 20            | Laminated Elastomeric Bearings                                       | Q, B284                            |                      |   |
| TS 01756.1         | B282            | E5/R3                               | Jun 20            | Pot Bearings – Structural Steel                                      | Q, B201, B240, B284                | B310                 | [B282/A]  |
| TS 01757.1         | B283            | E5/R3                               | Jun 20            | Pot Bearings – Stainless Steel                                       | Q, B201, B240, B284                | B310                 |   |
| TS 01758.1         | B284            | E3/R2                               | Nov 20            | Installation of Bridge Bearings                                      | Q, G71, B80                        | B201                 |   |
| TS 01759.1         | B292            | E1/R2                               | Jun 20            | Spherical Bearings – Structural Steel                                | Q, B201, B240, B284                |                      | [B292/A]  |
| TS 01760.1         | B293            | E1/R2                               | Jun 20            | Spherical Bearings – Stainless Steel                                 | Q, B201, B240, B284                |                      | [B293/A]  |
| TS 01761.1         | B310            | E5/R2                               | Jun 20            | Compression Seal Expansion Joints                                    | Q                                  |                      |   |
| TS 01762.1         | B312            | E5/R1                               | Jun 20            | Cold Applied Sealant Joints  | Q                                  |                      |   |
|                    | <del>B313</del> |                                     |                   | <del>Joint Sealing Compounds Hot Poured Elastic Expansion Type</del> |                                    |                      | Withdrawn   |
| TS 01763.1         | B315            | E4/R3                               | Jun 20            | Elastomeric Strip Seal Expansion Joints                              | Q, B201 or B246                    |                      |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...)                              |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|---|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)   | Optional<br>(NOTE 2) |   |
| TS 01764.1         | B316            | E2/R3                               | Jun 20 | Modular Bridge Expansion Joints                                | Q, B201, B220,<br>B282, B315                                    |                      | [B316/A]  |
| TS 01765.1         | B318            | E2/R1                               | Jun 20 | Bonded Metal-Elastomer Expansion Joints                        | Q   |                      |   |
| TS 01766.1         | B319            | E1/R1                               | Jun 20 | Proprietary Aluminium Expansion Joints                         | Q   |                      |   |
| TS 01767.1         | B341            | E3/R3                               | Apr 22 | Demolition of Existing Structure                               | Q, G22, G36   | G10, G71, B350, R44  | [B341/A]  |
| TS 01768.1         | B343            | E1/R1                               | Jun 20 | Preformed and Liquid Applied<br>Waterproofing Membrane Systems | Q, G22, G36, G38,<br>B80  | R101                 |   |
| TS 01769.1         | B344            | E2/R7                               | Aug 20 | Sprayed Bituminous Waterproofing<br>Membranes                  | Q, G22, G36, G38,<br>R106 or R107,<br>3151, 3252, 3268,<br>3269 | 3265                 | [B344/A]  |
| TS 01770.1         | B345            | E4/R0                               | Sep 20 | Bridge Nameplates and Number Plates                            | Q   |                      | Standard Drawings to be<br>included in Supplementary<br>Drawings.                     |
| TS 01771.1         | B349            | E2/R1                               | Jun 20 | Precast Concrete Noise Wall Members<br>(Not Pretensioned)      | Q, B80, R271  |                      |   |
| TS 01772           | B350            | E1/R2                               | Jun 21 | Underwater Bridge Inspections                                  | Q   |                      | [B350/A]  |
| TS 01773.1         | B381            | E1/R1                               | Jun 20 | Design, Supply and Installation of<br>Pedestrian Bridge Lifts  | Q, B80  | G2                   | [B381/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|------------------------------------|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)                             |   |
| TS 03315.1         | 3051            | E7/R1                               | Jun 20            | Granular Pavement Base and Subbase Materials   | Q                                  | R71, R73, R75, R76, 3153, 3154                   | [3051/A]  |
|                    | <del>3052</del> | <del>E4</del>                       | <del>Jun 98</del> | <del>Material to be Bound (MTBB) for Base and Sub-Base Materials for Surfaced Road Pavements</del> |                                    | <del>R73</del>                                   | <del>Withdrawn; incorporated into 3051</del>  |
|                    | <del>3053</del> | <del>E3</del>                       | <del>Mar 98</del> | <del>Quicklime</del>   |                                    | <del>R50, R73, R75</del>                         | <del>Withdrawn; incorporated into 3211</del>  |
|                    | <del>3054</del> | <del>E4</del>                       | <del>Nov 98</del> | <del>Hydrated Lime</del>   |                                    | <del>R50, R73, R75, R116, R121, R123, 3266</del> | <del>Withdrawn; incorporated into 3211</del>  |
|                    | <del>3061</del> | <del>E1/R4</del>                    | <del>Jul 08</del> | <del>Bound and Unbound Material for Pavement Repairs</del>   | <del>Q</del>                       | <del>M250, M290</del>                            | <del>Withdrawn; incorporated into R71</del>   |
| TS 03316.1         | 3071            | E2/R3                               | Aug 22            | Selected Material for Earthworks   | Q                                  | G36, 3153, 3154, 3211                            | [3071/A]  |
| TS 03317.1         | 3151            | E11/R1                              | Jun 20            | Aggregate for Sprayed Bituminous Surfacing   | Q                                  |  | [3151/A]  |
| TS 03318.1         | 3152            | E2/R4                               | Jun 20            | Aggregates for Asphalt   | Q                                  | R121   | [3152/A]  |
| TS 03319.1         | 3153            | E1/R1                               | Jun 20            | Reclaimed Asphalt Pavement Material  | Q                                  | 3152   |   |
| TS 03320.1         | 3154            | E2/R1                               | Jun 20            | Granulated Glass Aggregate   | Q                                  |  |   |
|                    | <del>3201</del> | <del>E5/R0</del>                    | <del>May 21</del> | <del>Concrete Supply for Maintenance</del>   | <del>Q, G36, R83, 3211, M258</del> | <del>3154</del>                                  | <del>Moved to “Maintenance” section</del>   |
|                    | <del>3202</del> | <del>E6/R0</del>                    | <del>Feb 09</del> | <del>Wax Emulsion Concrete Curing Compound</del>   |                                    |  | <del>Withdrawn</del>  |
| TS 03322.1         | 3204            | E3/R1                               | Jun 20            | Preformed Joint Fillers for Concrete Road Pavements and Structures                                 |                                    |  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title   | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|---|------------------------------------|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |   | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)   |   |
| TS 03323.1         | 3211            | E5/R0                               | Aug 20            | Cementitious Materials, Binders and Fillers                 | Q                                  | B80, B82, R50, R53, R68,<br>R71, R73, R75, R82, R83,<br>R90, R116, R117, R118<br>R119, R121, R123, R126,<br>3221, 3266 |   |
| TS 03324.1         | 3221            | E1/R2                               | Jun 20            | Roller Compacted Concrete                                   | Q, 3211                            |  | [3221/A]  |
| TS 03325.1         | 3222            | E1/R2                               | Jun 20            | No Fines Concrete (for Subsurface<br>Drainage)              | Q, 3211                            |  |   |
|                    | <del>3251</del> | <del>E8</del>                       | <del>Oct 01</del> | <del>Cutter and Flux Oils</del>                             |                                    |  | Withdrawn   |
| TS 03326.1         | 3252            | E13/R0                              | Mar 23            | Polymer Modified Binder for Pavements                       | Q                                  | 3256   |   |
| TS 03327.1         | 3253            | E13/R4                              | Jun 20            | Bitumen for Pavements                                       | Q                                  |  |   |
| TS 03328.1         | 3254            | E9/R1                               | Jun 20            | Bitumen Emulsion  | Q                                  |  |   |
| TS 03329.1         | 3256            | E6/R2                               | Jun 20            | Crumb Rubber  | Q                                  |  |   |
| TS 03330.1         | 3258            | E8/R1                               | Jun 20            | Aggregate Precoating Agent (for Bitumen)                    | Q                                  |  |   |
| TS 03331.1         | 3259            | E9/R1                               | Jun 20            | Bitumen Adhesion Agent (for Bitumen)                        | Q                                  |  |   |
| TS 03332.1         | 3261            | E9/R1                               | Jun 20            | Cutback Bitumen   | Q                                  |  |   |
| TS 03333.1         | 3263            | E3/R1                               | Jun 20            | Hot Poured Elastomeric Joint Sealant for<br>Roads           | Q                                  |  | Reissued.   |
| TS 03334.1         | 3265            | E1/R1                               | Jun 20            | Quick Drying Primer   | Q                                  | 3252, 3253   |   |
| TS 03335           | 3266            | E5/R1                               | Jun 20            | Coldmix Asphalt   | Q, 3253                            | 3211, 3254, 3259, 3261   | [3266/A]  |
| TS 03336.1         | 3268            | E5/R1                               | Jun 20            | Aggregate Precoating Agent (for Polymer<br>Modified Binder) | Q                                  |  |   |
| TS 03337.1         | 3269            | E5/R1                               | Jun 20            | Bitumen Adhesion Agent (for Polymer<br>Modified Binder)     | Q                                  |  |   |
| TS 03338.1         | 3351            | E4/R1                               | Jun 20            | Road Marking Paint  |                                    |  |   |
| TS 03339.1         | 3352            | E2/R1                               | Jun 20            | Fluorescent Plastic Traffic Cones                           |                                    |  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title   | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|---|------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |   | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |   |
| TS 03340.1         | 3353            | E7/R2                               | Jun 20            | Glass Beads (for Application to Road Marking Materials)                     |                                    |                      |   |
| TS 03341.1         | 3354            | E5/R1                               | Jun 20            | Adhesives for Raised Pavement Marker Installation                           |                                    |                      |   |
| TS 03342           | 3356            | E3/R1                               | Jun 20            | Waterborne Road Marking Paint   |                                    |                      |   |
| TS 03343.1         | 3357            | E3/R3                               | Jun 20            | Thermoplastic Road Marking Material   |                                    |                      |   |
|                    | <del>3358</del> | <del>E2</del>                       | <del>Apr 97</del> | <del>Aerosol Roadmarking Paint</del>  |                                    |                      | Withdrawn   |
| TS 03344.1         | 3359            | E3/R1                               | Jun 20            | Profile Thermoplastic Road Marking Material                                 |                                    |                      |   |
| TS 03345.1         | 3360            | E3/R1                               | Jun 20            | Two Part Cold Applied Road Marking Material                                 |                                    | 3353, TTT-037        |   |
| TS 03346           | 3368            | E2/R3                               | Jun 20            | Skid Resistant Friction Coating for Temporary Steel Road Plates             | Q                                  |                      |   |
| TS 03347.1         | 3385            | E3/R1                               | Jun 20            | Barrier Boards  |                                    |                      |   |
| TS 03348.1         | 3400            | E8/R4                               | Jun 20            | Manufacture and Delivery of Road Signs                                      | Q                                  |                      |   |
| TS 03349.1         | 3411            | E3/R0                               | Mar 21            | Supply of Guide Posts   |                                    | R131                 | [3411/A]  |
|                    | <del>3412</del> | <del>E2/R2</del>                    | <del>Jun 20</del> | <del>Supply of Guide Posts (Non-Timber)</del>                               |                                    |                      | Withdrawn; incorporated into 3411   |
| TS 03351           | 3421            | E3/R1                               | Jun 20            | Illuminated Flashing “Stop Children Crossing” Bat                           |                                    |                      | [3421/A]<br>Not a roadworks specification   |
| TS 03352.1         | 3552            | E3/R1                               | Jun 20            | Subsurface Drainage Pipe (Corrugated Perforated and Non-Perforated Plastic) | Q                                  |                      |   |
| TS 03353.1         | 3553            | E3/R1                               | Jun 20            | Seamless Tubular Filter Fabric  | Q                                  |                      |   |
| TS 03354.1         | 3555            | E4/R1                               | Jun 20            | Subsurface Drainage Pipe (Slotted and Unslotted Fibre- Reinforced Concrete) | Q                                  |                      |   |
| TS 03355.1         | 3556            | E3/R2                               | Jun 20            | Rigid Strip Filter Drains   | Q                                  | 3552                 |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |   |
| TS 03356.1         | 3557            | E1/R1                               | Jun 20 | Flexible Strip Filter Drains                       | Q, R63                             |                      | [3557/A]  |
| TS 03357.1         | 3580            | E1/R1                               | Jun 20 | Aggregate Filter Materials for Subsurface Drainage | Q                                  |                      |   |
| TS 03358.1         | 3651            | E1/R2                               | Jun 20 | Paints and Thinners for Steelwork                  |                                    |                      |   |
| TS 03359.1         | 3851            | E4/R1                               | Jun 20 | Steel Tapered Lighting Columns                     | Q, B240                            |                      |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MAINTENANCE SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title   | Referenced Documents<br>(TfNSW...) |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|---|------------------------------------|---|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |   | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)  |   |
| TS 03401.3         | G10M            | E6/R3                               | Jun 20            | Traffic Management (Maintenance Works)  | Q                                  | R132, R142, R143, R145,<br>TS101, TSI-SP-008  | [G10M/A]  |
|                    | <del>G11M</del> | <del>E1/R0</del>                    | <del>Aug-08</del> | <del>Road Occupancy Provisions</del>  |                                    |   | <del>Withdrawn</del>  |
|                    | <del>G21M</del> | <del>E1/R1</del>                    | <del>Dec-08</del> | <del>Occupational Health and Safety</del>   |                                    |   | <del>Withdrawn; replaced by G22</del>   |
|                    | <del>G34M</del> | <del>E1/R1</del>                    | <del>Sep-08</del> | <del>Environmental Protection Management Plan</del>                                       |                                    |   | <del>Withdrawn; replaced by G36</del>   |
| TS 03361           | Q4M             | E3/R2                               | Jun 20            | Quality Management System (Type 4)  | G22, G36, G71                      |   | [Q/A]   |
| TS 03363           | M1              | E6/R1                               | Apr 20            | General Maintenance Requirements  | G22, G36, Q, M3                    | G10, G10M   | [Tables within clauses]   |
|                    | <del>M2</del>   | <del>E2/R5</del>                    | <del>Sep-19</del> | <del>RMS QA Specification M2 Annexures</del>  |                                    |   | <del>Withdrawn; replaced by M1</del>  |
| TS 03364           | M3              | E2/R3                               | Jun 22            | Routine Services  | Q, G22, G36                        | M211, M212, M213, M214,<br>M215, M220, M231, M232,<br>M240, M250, M258, M321,<br>M620, R11, R15, R33, R38,<br>R53, R54, R55, R103,<br>R131, R132, R143, R178,<br>R201, R271 | [M3/A]  |
|                    | <del>M20</del>  | <del>E1/R2</del>                    | <del>May 11</del> | <del>Maintenance Intervention &amp; Investigatory Requirements (Pavement)</del>           |                                    |   | <del>Withdrawn; replaced by M3</del>  |
|                    | <del>M30</del>  | <del>E1/R1</del>                    | <del>Aug-08</del> | <del>Maintenance Intervention &amp; Investigatory Requirements (Corridor)</del>           |                                    |   | <del>Withdrawn; replaced by M3</del>  |
|                    | <del>M40</del>  | <del>E1/R1</del>                    | <del>Jul-08</del> | <del>Maintenance Intervention &amp; Investigatory Requirements (Operating Assets)</del>   |                                    |   | <del>Withdrawn; replaced by M3</del>  |
|                    | <del>M50</del>  | <del>E1/R1</del>                    | <del>Aug-08</del> | <del>Maintenance Intervention &amp; Investigatory Requirements (Drainage)</del>           |                                    |   | <del>Withdrawn; replaced by M3</del>  |
|                    | <del>M60</del>  | <del>E1/R1</del>                    | <del>Aug-08</del> | <del>Maintenance Intervention &amp; Investigatory Requirements (Traffic Facilities)</del> |                                    |   | <del>Withdrawn; replaced by M3</del>  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MAINTENANCE SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title   | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|---|------------------------------------|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)   |   |
|                    | M200            | E1/R0                               | Aug-08 | Maintenance Rectification Requirements<br>(Pavement)        |                                    |  | Withdrawn; replaced by M3   |
| TS 03365           | M208            | E1/R1                               | Jun 20 | Road Openings and Restoration (Low<br>Risk)                 | Q                                  | M209   |   |
| TS 03366           | M209            | E2/R3                               | Aug 21 | Road Openings and Restoration                               | Q                                  | R116, 3051, 3201, 3204,<br>3254, 3368, 3580, M208,<br>M250, M258 | [M209/A]  |
| TS 03367           | M211            | E3/R1                               | Jun 20 | Crack Sealing Bituminous Surfaces                           | Q, G10, 3252,<br>3254              | 3263   | [M211/A]<br>Formerly M210   |
| TS 03368           | M212            | E3/R1                               | Jun 20 | Routing and Sealing of Cracks (Concrete<br>Pavement)        | Q, G10M, G36,<br>M215, 3204        | 3263   | [M212/A]<br>Formerly M215   |
| TS 03369           | M213            | E3/R1                               | Jun 20 | Cross Stitching of Cracks and Joints<br>(Concrete Pavement) | Q, G10M, G36                       |  | [M213/A]<br>Formerly M230   |
| TS 03370           | M214            | E3/R1                               | Jun 20 | Repair of Joint Seals in Concrete Pavement                  | Q, G10M, G22,<br>G36, 3204         | 3263   | [M214/A]<br>Formerly M220   |
| TS 03371           | M215            | E3/R1                               | Jun 20 | Repair of Surface Spalls in Concrete<br>Pavement            | Q, G10M, G22,<br>G36               |  | [M215/A]<br>Formerly M224   |
| TS 03372           | M220            | E3/R1                               | Jun 20 | Formation Grading of Unsealed Roads                         | Q, G10M, G36,<br>M1, M3, R44       | R106   | [M220/A]<br>Formerly M280   |
| TS 03373           | M231            | E4/R1                               | Jun 20 | Pressure Grouting for Slab<br>Jacking/Stabilisation         | Q, G10, G36, 3211                  |  | [M231/A]<br>Formerly M235   |
| TS 03374           | M232            | E3/R1                               | Jun 20 | Injected Expanding Foam Slab<br>Jacking/Stabilisation       | Q, G10, G36,<br>M258               |  | [M232/A]<br>Formerly M238   |
| TS 03375           | M240            | E3/R1                               | Jun 20 | Shoulder Grading  | Q, G10M, G36,<br>M1, M3, R44       | R11, R106, R107, R111  | [M240/A]<br>Formerly M525   |
|                    | M244            | E2/R0                               | Jul-08 | Earthworks for Road Rebuilding                              | 3071                               | R11, R22, R33, R50, R58,<br>R178, 3556, B30                      | Formerly M324,<br>Withdrawn   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MAINTENANCE SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...) |  | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|--|------------------------------------|--|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2)   |   |
| TS 03376           | M250            | E2/R2                               | Jun 20 | Heavy Patching (Flexible Pavement)                             | Q, 3051                            | G10, M211, R33, R37,<br>R38, R63, R106, R107,<br>R111, R116, R117, R119,<br>R121, R131, R142, R143,<br>R145, TS101 | [M250/A]  |
| TS 03377           | M258            | E4/R0                               | May 21 | Slab Replacement (Concrete Pavement)                           | Q, R83, 3201                       | R90, R116, R119, R121,<br>R142, R143, R145, 3204,<br>3221, 3253, 3254, 3263,<br>3400, , M1, M3, M250,<br>TS101     | [M258/A]<br>Formerly M270   |
| TS 03378           | M290            | E3/R2                               | Jun 20 | Pavement Rebuilding (Bound and<br>Unbound Material)            | Q, R71, 3051                       | G10, R33, R37, R38, R63,<br>R106, R111, R131, R142,<br>R143, R145, 3211, TS101                                     | [M290/A]  |
|                    | M300            | E1/R0                               | Aug 08 | Maintenance Rectification Requirements<br>(Corridor)           |                                    |  | Withdrawn; replaced by M3   |
| TS 03379           | M321            | E2/R1                               | Jun 20 | Landscape Maintenance  |                                    | G36, M1  | [M321/A]<br>Formerly M317   |
| TS 03380           | M322            | E2/R1                               | Jun 20 | Landscape Restoration  | M321                               |  | [M322/A]<br>Formerly M318   |
|                    | M400            | E1/R0                               | Aug 08 | Maintenance Rectification Requirements<br>(Operating Assets)   |                                    |  | Withdrawn; replaced by M3   |
| TS 03381           | M430            | E4/R1                               | Jun 20 | Ferry Operation  | G34-F, Q6-F,<br>G24-F              |  | Formerly M496<br>Not a roadworks specification  |
|                    | M500            | E1/R0                               | Aug 08 | Maintenance Rectification Requirements<br>(Drainage)           |                                    |  | Withdrawn; replaced by M3   |
|                    | M600            | E1/R0                               | Aug 08 | Maintenance Rectification Requirements<br>(Traffic Facilities) |                                    |  | Withdrawn; replaced by M3   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MAINTENANCE SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date              | Title  | Referenced Documents<br>(TfNSW...)     |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|-------------------|--|--|---|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                  | Optional<br>(NOTE 2)                    |   |
| TS 03382           | M620            | E1/R1                               | Jun 20            | Maintenance of Road Safety Barrier Systems                       | Q, G1, G10M, G22, M1, 3201             | G71, B115, 3204                         |   |
|                    | <del>M700</del> | <del>E1/R1</del>                    | <del>Feb 09</del> | <del>Bridge and Tunnel – Routine and Minor Rehabilitation</del>  |  |   | Withdrawn; replaced by M3   |
| TS 03383           | M752            | E1/R2                               | Jun 20            | Timber Truss Repairs – Temporary Support & Minor Design          | Q, G10, G22, G36, G71, M756, M757      | B201, B220, TRTM 0006-SPN               | [M752/A]  |
| TS 02178           | M757            | E1/R2                               | Jun 20            | Timber Truss Repairs – Construction                              | Q, G10, G22, G36, M743, M752, M756     | G71, 2380, B201, B223                   | [M757/A]  |
|                    | <del>M769</del> | <del>E1/R1</del>                    | <del>Oct 17</del> | <del>Concrete Bridge Repairs – Construction</del>                | <del>Q, G22, G71, B80</del>            | <del>B341, R68</del>                    | Renumbered as M774  |
| TS 02179           | M772            | E1/R2                               | Jun 20            | Concrete Bridge Repairs - Investigation                          | Q, G10, G22, G71                       |   | [M772/A]  |
| TS 02180           | M773            | E1/R3                               | Jun 20            | Concrete Bridge Repairs - Design                                 | Q4M, G71, B80, M772, M774              | B110, B113, B115, R68                   | [M773/A]  |
| TS 02181           | M774            | E1/R3                               | Jun 20            | Concrete Bridge Repairs - Construction                           | Q4M, G2, G22, G36, G71, B80, M772      | B341, R68, M783                         | [M774/A]<br>Formerly M769   |
| TS 02182           | M782            | E1/R2                               | Jul 20            | Bridge Bearing Repairs - Design                                  | Q, G22, G71, B284                      | G10, B280, B281, B282, B283, 2243, 2244 | [M782/A]  |
| TS 02183           | M783            | E1/R3                               | Sep 21            | Bridge Bearing Repairs - Construction                            | Q, G22, G71, B201, B240, M782          |   | [M783/A]  |
| TS 02184           | M787            | E1/R12                              | Jun 20            | Bridge Deck Joint Repairs – Design                               | Q, G22, G71                            | G10, B310, B312, B315, B316, B318, B319 | [M787/A]  |
| TS 02185           | M788            | E1/R3                               | Sep 21            | Bridge Deck Joint Repairs – Construction                         | Q, G2, G22, G71, B80, B201, B240, M787 | M783                                    | [M788/A]  |
| TS 03384           | M921            | E1/R3                               | Jun 20            | Measurement of Longitudinal Linemarking by Mobile Retroreflector | Q                                      | R145                                    | [M921/A]<br>Formerly R421   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### MAINTENANCE SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                 |                                     | Date   | Title   | Referenced Documents<br>(TfNSW...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|-----------------|-------------------------------------|--------|---|------------------------------------|----------------------|---|
| New<br>designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)              | Optional<br>(NOTE 2) |   |
| TS 03385           | M922            | E1/R4                               | Jun 20 | Measurement of Roughness, Rutting and Texture by Laser Profilometer                                 | Q, G22                             |                      | [M922/A]<br>Formerly R422   |
| TS 03386           | M923            | E1/R3                               | Jun 20 | Measurement of Surface Friction by Sideways-force Coefficient Routine Investigation Machine (SCRIM) | Q, G22                             |                      | [M923/A]<br>Formerly R423   |
| TS 03387           | M924            | E1/R3                               | Jun 20 | Measurement of Surface Cracking by Roadcrack  | Q, G10, G22                        |                      | [M924/A]<br>Formerly R424   |
| TS 03388           | M925            | E1/R5                               | Jun 20 | Measurement of Deflection by Falling Weight Deflectometer (FWD)                                     | Q, G22                             |                      | [M925/A]<br>Formerly R425   |
| TS 03321           | 3201            | E5/R0                               | May 21 | Concrete Supply for Maintenance   | Q, G36, R83,<br>3211, M258         | 3154                 | [3201/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### TRAFFIC SYSTEM SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are ordinary QA specifications for Construct Only type contracts. For **Design & Construct (D&C)** specifications, refer to later pages.

| Contract Document  |                  |                                     | Date   | Title  | Referenced Documents<br>(TfNSW...)        |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------|-------------------------------------|--------|--|---|---|---|
| New<br>designation | No.<br>TfNSW...  | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)                     | Optional<br>(NOTE 2)  |   |
| TS 03389           | TS020            | E1/R2                               | Jul 14 | ITS Communications System                                | Q, G10, G22,<br>R155                      | TSI-SP-012, TSI-SP-016  | [TS020/A]   |
| TS 03390.1         | TS101            | E2/R3                               | Feb 21 | Traffic Signals – New Installation and<br>Reconstruction | Q, G10, G22, G36,<br>R53, TS200,<br>TS201 | TS202, TSI-SP-043,<br>TSI-SP-045, TSI-SP-046,<br>TSI-SP-048, TSI-SP-054,<br>TSI-SP-055, TSI-SP-056,<br>TSI-SP-061, TSI-SP-069 | [TS101/A]   |
| TS 03391           | TS104            | E1/R2                               | Jul 14 | ITS Vehicle Detection Site                               | Q, G10, G22,<br>R155                      | SI/TCS/8, TSI-SP-012,<br>TSI-SP-016, TSI-SP-038   | [TS104/A]   |
| TS 03392           | TS105            | E2/R2                               | Mar 17 | ITS Electronic Message Sign Site                         | Q, R155, TS200,<br>TS201, TS202           | SI/TCS/8, TSI-SP-008,<br>TSI-SP-011, TSI-SP-062   | [TS105/A]   |
| TS 03393           | TS106            | E1/R3                               | Nov 14 | ITS Video Surveillance Camera Site                       | Q, G10, G22,<br>R155                      | SI/TCS/8, TSI-SP-012,<br>TSI-SP-016   | [TS106/A]   |
|                    | <del>TS107</del> | <del>E1/R2</del>                    | Jul 14 | <del>ITS Emergency Telephone Site</del>                  | <del>Q, G10, G22,<br/>R152, R155</del>    | <del>SI/TCS/8, TSI-SP-012,<br/>TSI-SP-016, TSI-SP-040</del>   | Withdrawn   |
| TS 03395           | TS108            | E1/R0                               | Oct 18 | ITS Multi-function Pole                                  | Q, TS201                                  |   |   |
| TS 03396           | TS200            | E7/R0                               | Jun 21 | Register of ITS Field Equipment                          | Q   | TS201, TS202, TS001 to<br>TS299   |   |
| TS 03397           | TS201            | E4/R0                               | Feb 21 | Approval of ITS Field Equipment                          | Q, TS200, TS202                           | TSI-PR-006  |   |
| TS 03398           | TS202            | E4/R0                               | Feb 21 | Approval of ITS Solutions for Projects                   | Q, TS200, TS201                           |   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C GENERAL AND QUALITY MANAGEMENT SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                  |                              | Date   | Title                                      | Referenced Documents<br>(TfNSW D&C...) |   | Comments<br>(Document section shown within brackets “[...]” must be customised)   |
|-------------------|------------------|------------------------------|--------|--|--|---|---|
| New designation   | No. TfNSW D&C... | Edition/Revision (E.../R...) |        |  | Mandatory (NOTE 1)                     | Optional (NOTE 2)   |   |
| TS 01568.2        | G4               | E2/R3                        | May 21 | TfNSW Site Facilities                      | Q6, R178                               |   | [G4/A]  |
| TS 03249.2        | G7               | E1/R6                        | Feb 21 | Services Works (Utility Adjustment)        | Q6, G10, G22, G36, G38, R44            | R11, R151, R155, TS101  | [4.1.2, 5, 5.3, 6.3]  |
| TS 03401.2        | G10              | E3/R5                        | Aug 20 | Traffic Management                         | Q6                                     | R132, R142, R143, R145, TS101, TSI-SP-008   | [G10/A]   |
| TS 02338.2        | G22              | E3/R5                        | Jun 21 | Work Health and Safety (Construction Work) | Q6                                     |   | [G22/A]   |
| TS 01450.2        | G36              | E2/R10                       | Aug 22 | Environmental Protection                   | Q6, G38, G40, R44                      | R178, R179, R201  | [3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.11, 4.2.1, 4.4.1, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11.1, 4.11.4, 4.12, 4.13, 4.15.1, 4.16, 5, G36/A, G36/E] |
| TS 01451.2        | G38              | E2/R3                        | Jun 20 | Soil and Water Management                  | Q6, G36, R44, R178                     | R11, R55, R63   | [2.1.2, 3.4.2, 3.7.2, 3.8, G38/A]   |
| TS 03251.2        | G40              | E1/R1                        | Jun 20 | Clearing and Grubbing                      | Q6, G36, G38, R178                     | R201  | [1.1, G40/A]  |
| TS 01456.2        | G71              | E2/R4                        | Dec 20 | Construction Surveys                       | Q6, G10, G22                           | G7, G40, G73, R44, R73, R81, R82, R83, R271, B50, B51, B53, B54, B57, B58, B59, B61, B63, B80, B110, B115, B150, B152, B153, B170, B201, B261, B264, B284, B349 | [G71/A]   |
| TS 03404.1        | Q6               | E1/R3                        | Mar 21 | Quality Management System (Type 6)         | G22, G36                               | G71   | [Q/A]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                  |                              | Date   | Title                                    | Referenced Documents<br>(TfNSW D&C...)   |   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|------------------|------------------------------|--------|--|--|---|---|
| New designation   | No. TfNSW D&C... | Edition/Revision (E.../R...) |        |  | Mandatory (NOTE 1)                       | Optional (NOTE 2)   |   |
| TS 03254.2        | R11              | E3/R7                        | Sep 21 | Stormwater Drainage                      | Q6, R44, R53, R63                        | B80, B115, R15, R16, R55, R83, R116, R119, R178, 3051, 3204, 3552, 3553 |   |
| TS 03255.2        | R15              | E2/R0                        | Aug 20 | Kerbs and Channels (Gutters)             | Q6, R53, 3204                            |   |   |
| TS 03256.2        | R16              | E1/R1                        | Jun 20 | Precast Reinforced Concrete Box Culverts | Q6, B80, R11                             |   |   |
| TS 03257.2        | R23              | E1/R2                        | Jun 20 | Plastic Flexible Pipes                   | Q6, R11                                  | R44   |   |
| TS 03258.2        | R24              | E1/R1                        | Jun 20 | Precast Concrete Arches                  | Q6, G40, B80, B115, B153, B345, R11, R44 | B58, B59, R33, R57, R58   | [R24/A]   |
| TS 03259.2        | R31              | E1/R1                        | Jun 20 | Vertical Wick Drains                     | Q6, R44                                  | R63   | [R31/A]   |
| TS 03260.2        | R33              | E1/R4                        | Aug 20 | Trench Drains                            | Q6, R44, R63, 3552                       | R38, 3222, 3553, 3556, 3580   |   |
| TS 03261.2        | R37              | E1/R3                        | Jun 20 | Intra-pavement Drains                    | Q6, R44, R63, 3222, 3555                 | R33   |   |
| TS 03262.2        | R38              | E1/R3                        | Jun 20 | Edge Drains                              | Q6, R33, R44, R63, 3552, 3556            | 3222  |   |
| TS 02159.2        | R40              | E1/R2                        | Jun 20 | Horizontal Drains                        | Q6, G36, R63                             |   |   |
| TS 02158.2        | R44              | E3/R1                        | Jun 20 | Earthworks                               | Q6, G10, G36, G38, G40, G71              | B30, R11, R33, R50, R58, R63, R67, R178, 3071                           | [R44/A]   |
| TS 02161.2        | R50              | E2/R1                        | Jun 20 | Stabilisation of Earthworks              | Q6, G36, R44, 3211                       | 3254  |   |
| TS 03264.2        | R53              | E2/R5                        | Mar 21 | Concrete for General Works               | Q6, G36, 3211                            | B203, R225, 3154  |   |
| TS 03265.2        | R54              | E2/R3                        | Oct 20 | General Concrete Paving                  | Q, R44, R53, 3204                        | R83, 3051   | Previously released as R173   |
| TS 02162.2        | R55              | E1/R1                        | Jun 20 | Rock Filled Gabions and Mattresses       | Q6, R44, R63                             |   |   |
| TS 02164.2        | R57              | E1/R6                        | Jun 20 | Design of Reinforced Soil Walls          | Q6                                       | B80, B115, R58, 2380  | [R57/A]   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date   | Title  | Referenced Documents<br>(TfNSW D&C...)                       |                                       | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|--------|--|--|---------------------------------------|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)  | Optional<br>(NOTE 2)                  |   |
| TS 02165.2         | R58                    | E1/R6                               | Jun 20 | Construction of Reinforced Soil Walls<br>(Contractor’s Design) | Q6, G40, G71,<br>B80, B115, R44,<br>R57, R63                 |                                       |   |
| TS 02167.2         | R63                    | E2/R2                               | Jun 20 | Geotextiles (Separation and Filtration)                        | Q6   |                                       | [R63/A]   |
| TS 02168.2         | R64                    | E1/R5                               | Nov 20 | Soil Nailing   | Q6, R63, R68,<br>B80, 3211                                   | R40, 3557                             |   |
| TS 02169.2         | R67                    | E1/R2                               | Jun 20 | High Strength Geosynthetic Reinforcement                       | Q6, R44  |                                       | [R67/A]   |
| TS 02170.2         | R68                    | E1/R3                               | Jun 20 | Shotcrete Work without Steel Fibres                            | Q6, G36, 3211  |                                       | [R68/A]   |
| TS 03266.2         | R71                    | E2/R1                               | Jun 20 | Construction of Unbound and Modified<br>Pavement Course        | Q6, G36, G38,<br>G71, R178, 3051,<br>3211                    | R106 or R107                          | [3051/A]  |
| TS 03267.2.        | R73                    | E2/R3                               | Dec 21 | Plant Mixed Heavily Bound Pavement<br>Course                   | Q6, G10, G36,<br>G38, G71, R178,<br>3051, 3211               | R106 or R107                          | [3051/A]  |
| TS 03268.2         | R75                    | E2/R1                               | Jun 20 | Insitu Pavement Stabilisation Using Slow<br>Setting Binders    | Q6, G10, G36,<br>G38, G71, R101,<br>R178, 3051, 3211         | R106 or R107                          | [3051/A]  |
| TS 03423.2         | R76                    | E1/R1                               | Jun 20 | Insitu Pavement Stabilisation Using<br>Foamed Bitumen          | Q6, G10, G22,<br>G36, G38, G71,<br>R178, 3051, 3211,<br>3253 | R101, R106 or R107                    | [3051/A]  |
| TS 03269.2         | R81                    | E2/R2                               | Feb 21 | No Fines Concrete Subbase                                      | Q6, G36, G71,<br>R53, 3211                                   | R82, R116                             |   |
| TS 03270.2         | R82                    | E2/R4                               | Feb 21 | Lean-mix Concrete Subbase                                      | Q6, G36, G71,<br>R83, 3211                                   | R106, R111, 3151, 3154,<br>3253, 3254 | [3151/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date              | Title  | Referenced Documents<br>(TfNSW D&C...)         |                                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|-------------------|--|--|--------------------------------------|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                          | Optional<br>(NOTE 2)                 |   |
| TS 03271.2         | R83                    | E2/R4                               | Feb 21            | Concrete Pavement Base   | Q6, G36, G71,<br>R53, R82, 3051,<br>3204, 3211 | R93, R106, B203, 3154,<br>3253, 3254 |   |
|                    | <del>R84</del>         | <del>E1/R0</del>                    | <del>Jul 11</del> | <del>Continuously Reinforced Concrete Base</del>               |  |                                      | Withdrawn; incorporated into<br>R83.  |
| TS 03272.2         | R90                    | E1/R1                               | Jun 20            | Roller Compacted Concrete Subbase                              | Q6, 3221                                       | R106, R111, 3254                     | [R90/A]   |
| TS 03273.2         | R93                    | E1/R1                               | Jun 20            | Diamond Grinding of Concrete Pavement                          | Q6, G36  |                                      | [R93/A]   |
| TS 06306.2         | R94                    | E1/R0                               | Aug 22            | Low Noise Diamond Grinding of Concrete Pavement                | Q6, G36  | R83                                  |   |
| TS 03274.2         | R101                   | E1/R2                               | Nov 22            | Cold Milling of Road Pavement Materials                        | Q6, G10  | R116                                 |   |
| TS 03276.2         | R106                   | E1/R1                               | Jun 20            | Sprayed Bituminous Surfacing (with<br>Cutback Bitumen)         | Q6, G10, 3151,<br>3253, 3258, 3259,<br>3261    |                                      | [3151/A]  |
| TS 03277.2         | R107                   | E1/R1                               | Jun 20            | Sprayed Bituminous Surfacing (with<br>Polymer Modified Binder) | Q6, G10, 3151,<br>3252, 3268, 3269             | R106, 3253                           | [3151/A]  |
| TS 03278.2         | R109                   | E1/R1                               | Jun 20            | Bituminous Slurry Surfacing                                    | Q6, G10, 3211                                  |                                      |   |
| TS 03279.2         | R110                   | E1/R1                               | Jun 20            | Coloured Surface Coatings for Bus Lanes<br>and Cycleways       | Q6, G10, G36                                   |                                      |   |
| TS 03280.2         | R111                   | E1/R1                               | Jun 20            | Sprayed Bituminous Surfacing (with<br>Bitumen Emulsion)        | Q6, G10, 3151,<br>3254, 3258                   | 3252                                 | [3151/A]  |
| TS 03283.2         | R116                   | E2/R2                               | Sep 21            | Heavy Duty Dense Graded Asphalt                                | Q6, G10, G71,<br>3152, 3211,<br>3252 or 3253   | R101, 3153, 3154                     |   |
| TS 03284.2         | R117                   | E2/R0                               | Aug 22            | Light Duty Dense Graded Asphalt                                | Q6, G10, 3152,<br>3211,<br>3252 or 3253        | R101, 3153, 3154                     |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date   | Title  | Referenced Documents<br>(TfNSW D&C...)           |                                   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|--------|--|--|-----------------------------------|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)                            | Optional<br>(NOTE 2)              |   |
| TS 03285.2         | R118                   | E1/R4                               | Sep 20 | Crumb Rubber Asphalt   | Q6, G10, G22,<br>3152, 3211, 3253,<br>3256, 3259 | R101, R116, R117, 3154            |   |
| TS 03286.2         | R119                   | E1/R3                               | Sep 20 | Open Graded Asphalt  | Q6, G10, 3152,<br>3211, 3252, 3259,<br>3269      | R101, R116                        |   |
| TS 03287.2         | R121                   | E2/R4                               | Sep 20 | Stone Mastic Asphalt   | Q6, G10, 3152,<br>3211, 3252                     | R101, R116, 3154,<br>3259 or 3269 |   |
| TS 03289.2         | R126                   | E1/R3                               | Sep 20 | High Modulus Asphalt (EME2)  | Q6, G10, G71,<br>3152, 3211, 3253                | R101, R116                        |   |
| TS 03290.2         | R131                   | E2/R0                               | Mar 21 | Installation of Guide Posts  | G36, 3411  |                                   |   |
| TS 03291.2         | R132                   | E1/R3                               | Jun 20 | Safety Barrier Systems   | Q6, G10, G22,<br>G36, G71                        | R53, 3204                         |   |
| TS 03292.2         | R142                   | E1/R3                               | Jun 20 | Retroreflective Raised Pavement Markers  | Q6, G10, 3354                                    |                                   |   |
| TS 03293.2         | R143                   | E2/R3                               | Jun 20 | Signposting  | Q6, G10, R53,<br>B201, B240, 3400                | B80                               | [R143/A]  |
| TS 03294.2         | R145                   | E4/R0                               | Jul 20 | Pavement Marking (Performance Based)   | Q6, G10  | 3351                              | [R145/A]  |
| TS 03295.2         | R151                   | E2/R2                               | Jun 20 | Street Lighting  | Q6, R53, 3851                                    |                                   |   |
| TS 03296.2         | R152                   | E1/R2                               | Jun 20 | Roadside Emergency Telephone Pillars   |  |                                   |   |
| TS 02171.2         | R153                   | E1/R1                               | Jun 20 | Tunnel and Underpass Main Switchboard,<br>Distribution Boards and Control Panels | Q6   |                                   |   |
| TS 02172.2         | R154                   | E1/R1                               | Jun 20 | Tunnel and Underpass Electrical Services<br>Works                                | Q6   |                                   |   |
| TS 03297.2         | R155                   | E1/R4                               | Jun 20 | Design and Construction of Underground<br>Cableways                              | Q6, G36, G38,<br>G73, R11, R44                   | R132, TS101                       |   |
| TS 02173.2         | R158                   | E1/R2                               | Jun 20 | Road Tunnel and Underpass Lighting   | Q6   |                                   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C ROADWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                  |                              | Date   | Title   | Referenced Documents<br>(TfNSW D&C...) |   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|------------------|------------------------------|--------|---|--|---|---|
| New designation   | No. TfNSW D&C... | Edition/Revision (E.../R...) |        |   | Mandatory (NOTE 1)                     | Optional (NOTE 2)   |   |
|                   | R160             | E1/R0                        | Oct 13 | Closed Circuit Television System for Broadband Connection | R155, TSI-SP-016, SI/TCS/8             |   | Withdrawn   |
| TS 02174.2        | R163             | E1/R3                        | Nov 20 | Tunnel Ventilation Axial Fans                             | Q6, B201, B240                         |   | [R163/A]  |
| TS 02175.2        | R164             | E1/R3                        | Nov 20 | Tunnel Jet Fans   | Q6, B201, B240                         |   | [R164/A]  |
| TS 02176.2        | R165             | E1/R2                        | Nov 20 | In-Tunnel Air Quality Monitors                            | Q6                                     |   | [R165/A]  |
|                   | R173             | E1/R1                        | Jun 17 | General Concrete Paving                                   | Q6, R44, R53, 3204                     |   | Renumbered as R54   |
| TS 03298.2        | R178             | E1/R1                        | Jun 20 | Vegetation  | Q6, R44, 3254                          | R179  |   |
| TS 03299.2        | R179             | E1/R3                        | Jun 20 | Landscape Planting  | Q6, G22, G36                           | G10, R178   | [R179/A]  |
| TS 03300.2        | R201             | E2/R1                        | Jun 20 | Fencing   | Q6, G22, G36, G71, R44                 | R53, R143   | [R201/A]  |
| TS 03301.2        | R204             | E2/R2                        | Jun 20 | Property Adjustments                                      | Q6, G22, G36, G38, G71,                | R11, R44, R53, R54, R71, R117, R179, B30, B80, B201, B240, B341, 3211     | [R204/M]  |
| TS 03302.2        | R223             | E1/R1                        | Jun 20 | Dry Deep Soil Mixing                                      | Q6, 3211                               |   | [R223/A]  |
| TS 03303.2        | R225             | E2/R1                        | Sep 21 | Concrete Injected Columns                                 | Q6, R53, R67                           |   | [R225/A]  |
| TS 03247.2        | R271             | E2/R5                        | Jun 20 | Design and Construction of Noise Walls                    | Q6, G38, G71, G73, B30, R44            | B50, B51, B53, B54, B57, B58/B59, B61, B201, B220, B240, B246, B349, 2380 |   |
| TS 03314.2        | R272             | E1/R3                        | Oct 21 | Automatic Weather Stations                                | Q6                                     |   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date   | Title  | Referenced Documents<br>(TfNSW D&C...) |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|--------|--|--|---|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |        |  | Mandatory<br>(NOTE 1)                  | Optional<br>(NOTE 2)                        |   |
| TS 01723.2         | B30                    | E2/R2                               | Jun 20 | Excavation and Backfill for Bridgeworks                                  | Q6, G22, G36,<br>G38, G71, R44         | R63, 3552                                   |   |
| TS 01724.2         | B50                    | E2/R3                               | Jun 20 | Driven Reinforced Concrete Piles   | Q6, G22, B80,<br>B115, B203            | B30   |   |
| TS 01725.2         | B51                    | E2/R3                               | Jun 20 | Driven Prestressed Concrete Piles  | Q6, G22, B80,<br>B110, B203            | B30   |   |
| TS 01726.2         | B53                    | E2/R3                               | Jun 20 | Driven H-Section Steel Piles   | Q6, G22, B201                          | B30   |   |
| TS 01727.2         | B54                    | E2/R3                               | Jun 20 | Driven Tubular Steel Piles   | Q6, G22, B80,<br>B201                  | B30   |   |
| TS 01728.2         | B57                    | E1/R3                               | Sep 21 | Driven Cast-in-place Concrete Piles                                      | Q6, G22, B80                           | B30   |   |
| TS 01729.2         | B58                    | E3/R0                               | Nov 20 | Bored Cast-in-place Reinforced Concrete Piles (With Permanent Casing)    | Q6, G22, G36,<br>B80, B201             |   |   |
| TS 01730.2         | B59                    | E3/R0                               | Nov 20 | Bored Cast-in-place Reinforced Concrete Piles (Without Permanent Casing) | Q6, G22, G36,<br>B80, 3211             |   |   |
| TS 01731.2         | B61                    | E2/R3                               | Jun 20 | Driven Composite Piles   | Q6, G22, B80,<br>B110, B201, B203      | B30   |   |
| TS 01732.2         | B63                    | E2/R2                               | Jun 20 | Continuous Flight Auger (CFA) Piles                                      | Q6, G22, G36,<br>B80                   |   |   |
| TS 01733.2         | B80                    | E3/R5                               | Feb 21 | Concrete Work for Bridges  | Q6, G36, G71,<br>3211                  | B110, B113, B115, B170,<br>B201, B203, B240 | [B80/A]   |
| TS 01734.2         | B82                    | E1/R3                               | Jun 20 | Shotcrete Work   | G36, Q6, 3211                          |   | [B82/A]   |
| TS 01735.2         | B110                   | E2/R1                               | Jun 20 | Pretensioned Precast Concrete Members                                    | Q6, G22, B80                           |   |   |
| TS 01736.2         | B113                   | E1/R1                               | Jun 20 | Post-Tensioning of Concrete  | Q6, B80                                |   |   |
| TS 01737.2         | B114                   | E1/R2                               | Jun 20 | Ground Anchors   | Q6, G36, 3211                          |   |   |
| TS 01738.2         | B115                   | E2/R2                               | Jun 20 | Precast Concrete Members<br>(Not Pretensioned)                           | Q6, G22, B80                           | B113  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                  |                              | Date              | Title  | Referenced Documents<br>(TfNSW D&C...) |                   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|------------------|------------------------------|-------------------|--|--|-------------------|---|
| New designation   | No. TfNSW D&C... | Edition/Revision (E.../R...) |                   |  | Mandatory (NOTE 1)                     | Optional (NOTE 2) |   |
| TS 01740.2        | B150             | E1/R1                        | Jun 20            | Erection of Pretensioned Precast Concrete Members        | Q6, G71, B110                          |                   |   |
| TS 01741.2        | B152             | E1/R2                        | Jun 20            | Incrementally Launched Prestressed Concrete Girders      | Q6, B80, B113, B281                    |                   | [B152/A]  |
| TS 01742.2        | B153             | E1/R1                        | Jun 20            | Erection of Precast Concrete Members (Not Pretensioned)  | Q6, G71, B80, B115, B284               |                   |   |
| TS 01743.2        | B170             | E1/R2                        | Jun 20            | Supply and Installation of Void Formers                  | Q6                                     |                   |   |
|                   | <del>B200</del>  | <del>E1/R0</del>             | <del>Jun 11</del> | <del>Fabrication of Major Steel Structural Members</del> |  |                   | Withdrawn; replaced by B201   |
| TS 01744.2        | B201             | E1/R2                        | Sep 21            | Steelwork for Bridges                                    | Q6, G22, G36, B80, B220, B240          |                   |   |
| TS 01745.2        | B203             | E1/R1                        | Jun 20            | Welding of Steel reinforcement                           | Q6                                     |                   |   |
|                   | <del>B204</del>  | <del>E1/R0</del>             | <del>Jun 11</del> | <del>Welding of Bridges and Other Road Structures</del>  |  |                   | Withdrawn; replaced by B201   |
| TS 01746.2        | B220             | E2/R1                        | Jun 20            | Protective Treatment of Bridge Steelwork                 | Q6, G22, G36, 3651                     | B223, B240        | [B220/A]  |
| TS 01748.2        | B240             | E3/R2                        | Jun 20            | Steel Fasteners  | Q6, B201                               |                   | [B240/A]  |
|                   | <del>B241</del>  | <del>E1/R3</del>             | <del>Oct 13</del> | <del>Manufacture and Supply of Minor Steel Items</del>   |  |                   | Withdrawn; replaced by B201   |
| TS 01749.2        | B242             | E1/R1                        | Jun 20            | Manufacture and Supply of Aluminium Barriers             | Q6                                     |                   |   |
| TS 01750.2        | B245             | E1/R1                        | Jun 20            | Fabrication of Aluminium Structural Members              | Q6                                     | B261              |   |
| TS 01751.2        | B246             | E1/R1                        | Jun 20            | Manufacture and Supply of Minor Aluminium Items          | Q6                                     |                   |   |
|                   | <del>B260</del>  | <del>E1/R0</del>             | <del>Jun 11</del> | <del>Erection of Structural Steelwork</del>              |  |                   | Withdrawn; replaced by B201   |
| TS 01752.2        | B261             | E1/R1                        | Jun 20            | Erection of Structural Aluminium                         | Q6, B240                               |                   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date   | Title   | Referenced Documents<br>(TfNSW D&C...)                  |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|--------|---|---|----------------------|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)                                   | Optional<br>(NOTE 2) |   |
| TS 01753.2         | B264                   | E1/R1                               | Jun 20 | Erection of Barrier Railings and Minor Components           | Q6  | B345                 |   |
| TS 01754.2         | B280                   | E2/R1                               | Jun 20 | Plain Elastomeric Bearing Pads and Strips                   | Q6, B284  |                      |   |
| TS 01755.2         | B281                   | E2/R1                               | Jun 20 | Laminated Elastomeric Bearings                              | Q6, B284  |                      |   |
| TS 01756.2         | B282                   | E2/R3                               | Jun 20 | Pot Bearings – Structural Steel                             | Q6, B201, B240, B284                                    | B310                 | [B282/A]  |
| TS 01757.2         | B283                   | E2/R3                               | Jun 20 | Pot Bearings – Stainless Steel                              | Q6, B201, B240, B284                                    | B310                 |   |
| TS 01758.2         | B284                   | E2/R2                               | Nov 20 | Installation of Bridge Bearings                             | Q6, G71   | B80, B201            |   |
| TS 01759.2         | B292                   | E1/R2                               | Jun 20 | Spherical Bearings – Structural Steel                       | Q6, B201, B240, B284                                    |                      | [B292/A]  |
| TS 01760.2         | B293                   | E1/R2                               | Jun 20 | Spherical Bearings – Stainless Steel                        | Q6, B201, B240, B284                                    |                      |   |
| TS 01761.2         | B310                   | E1/R2                               | Jun 20 | Compression Seal Expansion Joints                           | Q6  |                      |   |
| TS 01762.2         | B312                   | E2/R1                               | Jun 20 | Cold Applied Sealant Joints                                 | Q6  |                      |   |
| TS 01763.2         | B315                   | E1/R3                               | Jun 20 | Elastomeric Strip Seal Expansion Joints                     | Q6, B201 or B246  |                      |   |
| TS 01764.2         | B316                   | E1/R2                               | Jun 20 | Modular Bridge Expansion Joints                             | Q6, B201, B220, B282, B315                              |                      | [B316/A]  |
| TS 01765.2         | B318                   | E1/R1                               | Jun 20 | Bonded Metal-Elastomer Expansion Joints                     | Q6  |                      |   |
| TS 01766.2         | B319                   | E1/R1                               | Jun 20 | Proprietary Aluminium Expansion Joints                      | Q6  |                      |   |
| TS 01767.2         | B341                   | E1/R3                               | Apr 22 | Demolition of Existing Structure                            | Q6, G22, G36  | G10, G71, B350, R44  | [B341/A]  |
| TS 01768.2         | B343                   | E1/R1                               | Jun 20 | Preformed and Liquid Applied Waterproofing Membrane Systems | Q6, G22, G36, G38, B80                                  | R101                 |   |
| TS 01769.2         | B344                   | E1/R4                               | Aug 20 | Sprayed Bituminous Waterproofing Membranes                  | Q6, G22, G36, G38, R106 or R107, 3151, 3252, 3268, 3269 | 3265                 |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C BRIDGEWORKS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                             |                              | Date   | Title  | Referenced Documents<br>(TfNSW <b>D&amp;C...</b> ) |                   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|-----------------------------|------------------------------|--------|--|--|-------------------|---|
| New designation   | No. TfNSW <b>D&amp;C...</b> | Edition/Revision (E.../R...) |        |  | Mandatory (NOTE 1)                                 | Optional (NOTE 2) |   |
| TS 01770.2        | B345                        | E2/R0                        | Sep 20 | Bridge Nameplates and Number Plates                        | Q6   |                   | Standard Drawings to be included in Supplementary Drawings.                     |
| TS 01771.2        | B349                        | E2/R1                        | Jun 20 | Precast Concrete Noise Wall Members (Not Pretensioned)     | Q6, B80, R271                                      |                   |   |
| TS 01773.2        | B381                        | E1/R1                        | Jun 20 | Design, Supply and Installation of Pedestrian Bridge Lifts | Q6, B80  |                   | [B381/A]  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date              | Title  | Referenced Documents<br>(TfNSW D&C...) |   | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|-------------------|--|--|---|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |                   |  | Mandatory<br>(NOTE 1)                  | Optional<br>(NOTE 2)  |   |
| TS 03315.2         | 3051                   | E2/R1                               | Jun 20            | Granular Pavement Base And Subbase Materials                       | Q6                                     | R71, R73, R75, R76, 3153, 3154  | [3051/A]  |
| TS 03316.2         | 3071                   | E2/R3                               | Aug 22            | Selected Material for Earthworks                                   | Q6, G36                                | 3153, 3154, 3211  | [3071/A]  |
| TS 03317.2         | 3151                   | E2/R1                               | Jun 20            | Aggregate for Sprayed Bituminous Surfacing                         | Q6                                     |   | [3151/A]  |
| TS 03318.2         | 3152                   | E1/R4                               | Jun 20            | Aggregates for Asphalt   | Q6                                     | R121  | [3152/A]  |
| TS 03319.2         | 3153                   | E1/R1                               | Jun 20            | Reclaimed Asphalt Pavement Material                                | Q6                                     | 3152  |   |
| TS 03320.2         | 3154                   | E2/R1                               | Jun 20            | Granulated Glass Aggregate   | Q6                                     |   |   |
|                    | <del>3202</del>        | <del>E1/R0</del>                    | <del>Jun 11</del> | <del>Wax Emulsion Concrete Curing Compound</del>                   |  |   | Withdrawn   |
| TS 03322.2         | 3204                   | E1/R1                               | Jun 20            | Preformed Joint Fillers for Concrete Road Pavements and Structures |  |   |   |
| TS 03323.2         | 3211                   | E2/R0                               | Sep 20            | Cementitious Materials, Binders and Fillers                        | Q6                                     | B80, B82, R50, R53, R68, R71, R73, R75, R82, R83, R90, R116, R117, R118, R119, R121, R123, R126, 3221 |   |
| TS 03324.2         | 3221                   | E1/R1                               | Jun 20            | Roller Compacted Concrete  | Q6, 3211                               |   |   |
| TS 03325.2         | 3222                   | E1/R1                               | Jun 20            | No Fines Concrete (for Subsurface Drainage)                        | Q6, 3211                               |   |   |
| TS 03326.2         | 3252                   | E4/R0                               | Mar 23            | Polymer Modified Binder for Pavements                              | Q6                                     | 3256  |   |
| TS 03327.2         | 3253                   | E2/R4                               | Jun 20            | Bitumen for Pavements  | Q6                                     |   |   |
| TS 03328.2         | 3254                   | E1/R1                               | Jun 20            | Bitumen Emulsion   | Q6                                     |   |   |
| TS 03329.2         | 3256                   | E1/R2                               | Jun 20            | Crumb Rubber   | Q6                                     |   |   |
| TS 03330.2         | 3258                   | E1/R1                               | Jun 20            | Aggregate Precoating Agent (for Bitumen)                           | Q6                                     |   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document  |                        |                                     | Date   | Title   | Referenced Documents<br>(TfNSW D&C...) |                      | Comments<br>(Document section shown<br>within brackets “[...]”<br>must be customised) |
|--------------------|------------------------|-------------------------------------|--------|---|--|----------------------|---|
| New<br>designation | No.<br>TfNSW<br>D&C... | Edition/<br>Revision<br>(E.../R...) |        |   | Mandatory<br>(NOTE 1)                  | Optional<br>(NOTE 2) |   |
| TS 03331.2         | 3259                   | E1/R1                               | Jun 20 | Bitumen Adhesion Agent<br>(for Bitumen)                     | Q6                                     |                      |   |
| TS 03332.2         | 3261                   | E1/R1                               | Jun 20 | Cutback Bitumen   | Q6                                     |                      |   |
| TS 03333.2         | 3263                   | E1/R1                               | Jun 20 | Hot Poured Elastomeric Joint Sealant for<br>Roads           | Q6                                     |                      |   |
| TS 03334.2         | 3265                   | E1/R1                               | Jun 20 | Quick Drying Primer   | Q6                                     | 3252, 3253           |   |
| TS 03336.2         | 3268                   | E1/R1                               | Jun 20 | Aggregate Precoating Agent (for Polymer<br>Modified Binder) | Q6                                     |                      |   |
| TS 03337.2         | 3269                   | E1/R1                               | Jun 20 | Bitumen Adhesion Agent (for Polymer<br>Modified Binder)     | Q6                                     |                      |   |
| TS 03338.2         | 3351                   | E1/R1                               | Jun 20 | Road Marking Paint  |  |                      |   |
| TS 03339.2         | 3352                   | E1/R1                               | Jun 20 | Fluorescent Plastic Traffic Cones                           |  |                      |   |
| TS 03340.2         | 3353                   | E1/R1                               | Jun 20 | Glass Beads (for Application to Road<br>Marking Materials)  |  |                      |   |
| TS 03341.2         | 3354                   | E1/R1                               | Jun 20 | Adhesives for Raised Pavement Marker<br>Installation        |  |                      |   |
| TS 03343.2         | 3357                   | E1/R1                               | Jun 20 | Thermoplastic Road Marking Material                         |  |                      |   |
| TS 03344.2         | 3359                   | E1/R1                               | Jun 20 | Profile Thermoplastic Road Marking<br>Material              |  |                      |   |
| TS 03345.2         | 3360                   | E1/R1                               | Jun 20 | Two Part Cold Applied Road Marking<br>Material              |  | 3353, TTT-037        |   |
| TS 03347.2         | 3385                   | E1/R1                               | Jun 20 | Barrier Boards  |  |                      |   |
| TS 03348.2         | 3400                   | E2/R3                               | Jun 20 | Manufacture and Delivery of Road Signs                      | Q6                                     |                      |   |
| TS 03349.2         | 3411                   | E2/R0                               | Mar 21 | Supply of Guide Posts                                       |  | R131                 |   |
|                    | 3412                   | E1/R1                               | Jun 20 | Supply of Guide Posts (Non Timber)                          |  |                      | Withdrawn; incorporated into<br>D&C 3411  |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C MATERIALS SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                             |                              | Date   | Title   | Referenced Documents<br>(TfNSW <b>D&amp;C...</b> ) |                   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|-----------------------------|------------------------------|--------|---|--|-------------------|---|
| New designation   | No. TfNSW <b>D&amp;C...</b> | Edition/Revision (E.../R...) |        |   | Mandatory (NOTE 1)                                 | Optional (NOTE 2) |   |
| TS 03352.2        | 3552                        | E1/R1                        | Jun 20 | Subsurface Drainage Pipe (Corrugated Perforated and Non-Perforated Plastic) | Q6   |                   |   |
| TS 03353.2        | 3553                        | E1/R1                        | Jun 20 | Seamless Tubular Filter Fabric  | Q6   |                   |   |
| TS 03354.2        | 3555                        | E1/R1                        | Jun 20 | Subsurface Drainage Pipe (Slotted and Unslotted Fibre- Reinforced Concrete) | Q6   |                   |   |
| TS 03355.2        | 3556                        | E1/R2                        | Jun 20 | Rigid Strip Filter Drains   | Q6   | 3552              |   |
| TS 03356.2        | 3557                        | E1/R1                        | Jun 20 | Flexible Strip Filter Drains  | Q6, R63  |                   |   |
| TS 03357.2        | 3580                        | E1/R1                        | Jun 20 | Aggregate Filter Materials for Subsurface Drainage                          | Q6   |                   |   |
| TS 03358.2        | 3651                        | E1/R1                        | Jun 20 | Paints and Thinners for Steelwork   |  |                   |   |
| TS 03359.2        | 3851                        | E2/R2                        | Jun 20 | Steel Tapered Lighting Columns  | Q6, B240   |                   |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C TRAFFIC SYSTEM SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                  |                              | Date   | Title  | Referenced Documents<br>(TfNSW D&C...) |   | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|------------------|------------------------------|--------|--|--|---|---|
| New designation   | No. TfNSW D&C... | Edition/Revision (E.../R...) |        |  | Mandatory (NOTE 1)                     | Optional (NOTE 2)   |   |
| TS 03390.2        | TS101            | E1/R2                        | Feb 21 | Traffic Signals – New Installation and Reconstruction              | Q6, G10, G22, G36, R53, TS200, TS201   | TS202, TSI-SP-043, TSI-SP-045, TSI-SP-046, TSI-SP-048, TSI-SP-054, TSI-SP-055, TSI-SP-056, TSI-SP-061, TSI-SP-069   | [TS101/A]   |
| TS 06225.00       | TS901            | E1/R1                        | Jun 20 | Motorway Systems Overview and General Requirements                 | Q6, TS902, TS903                       | TS911 to TS918, TSI-SP-008, TSI-SP-012, TSI-SP-016  |   |
| TS 06225.01       | TS902            | E1/R0                        | Jun 20 | Systems Engineering Processes                                      | Q6, TS901                              | TS200, TS201, TS202, TS911 to TS918, TSI-SP-016   |   |
| TS 06225.02       | TS911            | E1/R2                        | Jun 20 | Motorway Systems – Motorway Control Centre                         | Q6, TS901, TS902                       | TS912 to TS918  |   |
| TS 06225.03       | TS912            | E1/R3                        | Jun 20 | Motorway Systems – Traffic Management and Control System           | Q6, TS901, TS902                       | R145, R300, TS101, TS200, TS911, TS913 to TS918, TSI-SP-006-TMC, TSI-SP-008, TSI-SP-011, TSI-SP-016, TSI-SP-026, TSI-SP-034, TSI-SP-038, TSI-SP-051, TSI-SP-067, TSI-SP-069, A3410742 |   |
| TS 06225.04       | TS913            | E1/R2                        | Jun 20 | Motorway Systems – Plant Management and Control System             | Q6, TS901, TS902                       | TS911, TS912, TS914 to TS918  |   |
| TS 06225.05       | TS914            | E1/R2                        | Jun 20 | Motorway Systems – Electrical Power Supply and Distribution System | Q6, TS901, TS902                       | R155, TS911 to TS913, TS915 to TS918, TS931, TS932, TSI-SP-012  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### D&C TRAFFIC SYSTEM SPECIFICATIONS

NOTE 1: The specifications listed in the “Mandatory” column must be included in the Tender Documents.

NOTE 2: The specifications listed in the “Optional” column must be reviewed for relevance to the proposed works, and relevant specifications must be included in the Tender Documents.

NOTE 3: The specifications listed below are **Design & Construct (D&C)** specifications. For ordinary QA specifications, refer to earlier pages.

| Contract Document |                             |                              | Date   | Title   | Referenced Documents<br>(TfNSW <b>D&amp;C...</b> ) |  | Comments<br>(Document section shown within brackets “[...]” must be customised) |
|-------------------|-----------------------------|------------------------------|--------|---|--|--|---|
| New designation   | No. TfNSW <b>D&amp;C...</b> | Edition/Revision (E.../R...) |        |   | Mandatory (NOTE 1)                                 | Optional (NOTE 2)  |   |
| TS 06225.06       | TS915                       | E1/R2                        | Jun 20 | Motorway Systems – Motorway Network Communications System | Q6, TS901, TS902                                   | R155, TS911 to TS914, TS916 to TS918, TSI-SP-012, TSI-SP-016 |   |
| TS 06225.07       | TS916                       | E2/R1                        | Jun 20 | Motorway Systems – Electronic Toll Collection System      | Q6, TS901, TS902                                   | TS911 to TS915, TS917, TS918                                 |   |
| TS 06225.08       | TS917                       | E3/R2                        | Jun 20 | Motorway Systems - C2C Interface for Motorways            | Q6, TS901  | TS911 to TS916, TS918, MS-TS-001, TSI-SP-003                 |   |
| TS 06225.09       | TS918                       | E1/R1                        | Jun 20 | Motorway Systems – Road Tunnel and Underpass Lighting     | Q6, TS901  | TS911 to TS917, TS931, TS933, TSI-SP-065                     |   |
| TS 03952          | TS931                       | E1/R1                        | Jun 20 | Tunnel Electrical Boards                                  | Q6, TS901  | TS911 to TS918, TS932  |   |
| TS 03953          | TS932                       | E1/R1                        | Jun 20 | Tunnel and Underpass Electrical Services Works            | Q6, TS901  | TS911 to TS918, TS931  |   |
| TS 02345          | TS933                       | E1/R1                        | Jun 20 | Tunnel Backlit Signs                                      | Q6, TS901  | TS911 to TS918, TS931  |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### GUIDES TO TfNSW SPECIFICATIONS

NOTE: GUIDES TO TfNSW SPECIFICATIONS documents are for information only and are not TfNSW Specifications.

| Document        |                  |                                     | Date              | Title  | Referenced Specifications<br>(TfNSW...) | Comments                                |
|-----------------|------------------|-------------------------------------|-------------------|--|---|---|
| New designation | No.<br>TfNSW...  | Edition/<br>Revision<br>(E.../R...) |                   |  |   |   |
|                 | <del>CG21</del>  | <del>E1/R0</del>                    | <del>Jan 00</del> | <del>Guide to RTA QA Specifications G21 and G22—<br/>Occupational Health and Safety</del>    |   | Withdrawn                               |
| TS 01450.3      | NG36             | E4/R7                               | Jul 21            | Guide to QA Specification G36 – Environmental Protection                                     | G36                                     |   |
| TS 01456.3      | NG71             | E2/R0                               | Jan 21            | Guide to QA Specification G71 – Construction Surveys   | G71                                     |   |
| TS 01733.3      | NB80             | E2/R1                               | Jun 20            | Guide to QA Specification B80 – Concrete Work for Bridges                                    | B80                                     |   |
|                 | <del>NB200</del> | <del>E1/R1</del>                    | <del>Mar 10</del> | <del>Guide to QA Specification B200— Fabrication of Major<br/>Structural Steel Members</del> |   | Withdrawn                               |
|                 | <del>NB204</del> | <del>E1/R1</del>                    | <del>Mar 10</del> | <del>Guide to QA Specification B204— Welding of Bridges and<br/>Other Road Structures</del>  |   | Withdrawn                               |
| TS 01570.2      | NQ3              | E3/R8                               | Jun 21            | Guide to QA Specification Q3 – Quality Management<br>System (Type 3)                         | Q3                                      | Refer to AS HB90.3 for further guidance |
| TS 01571.2      | NQ4              | E2/R8                               | Jun 21            | Guide to QA Specification Q4 – Quality Management<br>System (Type 4)                         | Q4                                      | Refer to AS HB90.3 for further guidance |
| TS 03404.2      | NQ6              | E1/R9                               | Jun 21            | Guide to QA Specification Q6 – Quality Management<br>System (Type 6)                         | Q6                                      | Refer to AS HB90.3 for further guidance |
|                 | <del>CQ21</del>  | <del>E1/R1</del>                    | <del>Aug 99</del> | <del>Guide to RTA Q21— Guide for Contractors on Survey<br/>Procedures</del>                  |   | Replaced by NG71                        |
| TS 02158.3      | NR44             | E2/R1                               | Jun 20            | Guide to QA Specification R44 – Earthworks   | R44                                     |   |
| TS 03270.3      | NR82             | E2/R1                               | Jun 20            | Guide to QA Specification R82 – Concrete Subbase   | R82                                     |   |
| TS 03271.3      | NR83             | E2/R1                               | Jun 20            | Guide to QA Specifications R83 and R84 – Concrete Base                                       | R83                                     |   |
|                 | <del>CR132</del> | <del>E1/R0</del>                    | <del>Jul 97</del> | <del>Guide to RTA QA Specification R132— Safety Barrier<br/>Systems</del>                    |   | Withdrawn                               |
|                 | <del>NR93</del>  | <del>E1/R0</del>                    | <del>Mar 12</del> | <del>Guide to Diamond Grinding of Concrete Pavement</del>                                    |   | Withdrawn, converted to Technical Guide |
| TS 06306.3      | NR94             | Issue No.<br>1.0                    | Aug 22            | Low Noise Diamond Grinding (LNDG) of Concrete<br>Pavement                                    |   |   |
| TS 03276.3      | NR106            | E1/R2                               | Jun 20            | Guide to QA Specification R106 – Sprayed Bituminous<br>Surfacing (with Cutback Bitumen)      | R106                                    |   |

## MODEL CONTRACT DOCUMENTS AND SPECIFICATIONS LIST

### GUIDES TO TfNSW SPECIFICATIONS

NOTE: GUIDES TO TfNSW SPECIFICATIONS documents are for information only and are not TfNSW Specifications.

| Document        |                 |                                     | Date   | Title   | Referenced Specifications<br>(TfNSW...) | Comments                                    |
|-----------------|-----------------|-------------------------------------|--------|---|---|---|
| New designation | No.<br>TfNSW... | Edition/<br>Revision<br>(E.../R...) |        |   |   |   |
| TS 03277.3      | NR107           | E1/R2                               | Jun 20 | Guide to QA Specification R107 – Sprayed Bituminous Surfacing (with Polymer Modified Bitumen) | R107                                    |   |
| TS 03247.3      | NR271           | E1/R1                               | Jun 20 | Guide to Design of Noise Walls  | R271                                    | Was previously Guide Notes at front of R271 |
| TS 03226.3      | N3252           | E1/R1                               | Jun 20 | Guide to the Selection of Polymer Modified Binder   | 3252                                    |   |