| Main Roads Technical Specification (MRTS) | Hold point number | Description | Lead time | Responsibility for action |
| --- | --- | --- | --- | --- |
| 01 Introduction (to Technical Specifications) | 1 | Initial set out of individual installations (Clause 8) |  |  |
| 02 Provision for Traffic | 1 | Clause 5.2.1 Traffic rearrangement |  |  |
| 2 | Clause 5.3.2 Traffic management arrangements / approvals |  |  |
| 03 Drainage, Retaining Structures and Protective Treatments | 1 | Clause 12.2 Bandage cover materials for culvert joints |  |  |
| 2 | Clause 12.3.1 Approval of culvert construction procedure |  |  |
| 3 | Clause 12.3.5 Pipe inspection reports acceptance |  |  |
| 4 | Clause 30.2 Construction of stone columns |  |  |
| 5 | Clause 44.3.2 Grouting of fabric encased batter protection |  |  |
| 6 | Clause 48.2 Use of alternative interlocking blocks  |  |  |
| 7 | Clause 55.2 Installation of soil nails |  |  |
| 8 | Clause 55.4.4.2 Grouting of soil nails |  |  |
| 9 | Clause 55.5 Acceptance of soil nails |  |  |
| 10 | Clause 56.2 Installation of passive rock dowels |  |  |
| 11 | Clause 56.4.4.2 Grouting of passive rock dowels |  |  |
| 12 | Clause 56.5 Acceptance of passive rock dowels |  |  |
| 13 | Clause 57.2 Installation of active rock bolts |  |  |
| 14 | Clause 57.4.4.2 Grouting of active rock bolts |  |  |
| 15 | Clause 57.6 Acceptance of active rock bolts |  |  |
| 04 General Earthworks | 1 | Clause 7.2.2 Trees, shrubs and overhanging branches to be left undisturbed marked by Contractor |  |  |
| 2 | Clause 7.2.3 Trees required by Principal marked by Contractor |  |  |
| 3 | Clause 9.3 Treatment of unsuitable material |  |  |
| 4 | Clause 10.4.1 Testing for acid sulphate potential |  |  |
| 5 | Clause 13.3.2.1 Subgrade in cuttings treatment type |  |  |
| 6 | Clause 13.3.4.1 Determination by Administrator of competent material in footing excavation |  |  |
| 7 | Clause 13.3.4.1 Inspection of foundation surface by Administrator |  |  |
| 8 | Clause 13.3.4.1 Re‑presentation inspection of foundation surface |  |  |
| 9 | Clause 18.3.1 Subgrade testing prior to placement of pavement |  |  |
| 10 | Clause 19.3.3 Backfill not placed before pipes and so on completed and inspected |  |  |
| 05 Unbound Pavements | 1 | Clause 6 Use of quarry, quarry assessment and current certification (seven days) |  |  |
| 2 | Clause 7.2.4 Approval of grading envelope – Type 2 |  |  |
| 3 | Clause 7.3.4 Approval of grading envelope – Type 3 |  |  |
| 4 | Clause 8.2 Demonstration of material compliance prior to incorporation into pavement |  |  |
| 5 | Clause 10.2.9 Covering a pavement layer |  |  |
| 06 Reinforced Soil Structures | 1 | Clause 7.5.4 Sample facing unit |  |  |
| 2 | Clause 8.5 Design of reinforced soil structures |  |  |
| 3 | Clause 9.3 Acceptance of foundation |  |  |
| 4 | Clause 9.5.1 Suitability of construction method |  |  |
| 5 | Clause 9.5.2 Construction of second course of facing units |  |  |
| 07A Insitu Stabilised Subgrades using Quicklime or Hydrated Lime | 1 | Clause 5.2.2 Approval of construction procedure(s) and Construction Program |  |  |
| 2 | Clause 7.1 Compliance of all materials, prior to their incorporation |  |  |
| 3 | Clause 8.1.6 Survey of services, utilities, buildings and drainage |  |  |
| 4 | Clause 8.3.1 Approval of compaction based on a process requirement |  |  |
| 5 | Clause 9.8 Covering a pavement layer |  |  |
| 6 | Clause 9.8 Construction permitted to proceed |  |  |
| 07B Insitu Stabilised Pavements using Cement or Cementitious Blends | 1 | Clause 5.2 Approval of construction procedure and Construction Program |  |  |
| 2 | Clause 7.1 Compliance of all materials, prior to their incorporation |  |  |
| 3 | Clause 8.1.6 Completion of Site survey prior to stabilisation related operations |  |  |
| 4 | Clause 8.3.1 Approval of compaction based on a process requirement |  |  |
| 5 | Clause 9.8 Covering a pavement layer |  |  |
| 6 | Clause 9.8 Construction permitted to proceed |  |  |
| 07C Insitu Stabilised Pavements Using Foamed Bitumen | 1 | Clause 5.2 Approval of construction procedures and Construction Program |  |  |
| 2 | Clause 7.1 Compliance of all materials, prior to their incorporation |  |  |
| 3 | Clause 8.1.5 Survey of services, utilities, buildings and drainage |  |  |
| 4 | Clause 8.3.1 Approval of compaction based on a process requirement |  |  |
| 5 | Clause 8.4.11 Foaming properties of bitumen |  |  |
| 6 and 7 | Clause 9.10 Construction permitted to proceed |  |  |
| 08 Plant‑Mixed Stabilised Pavements using Cement or Cementitious Blends | 1 | Clause 7 Demonstration of material compliance prior to the construction of any stabilised layer |  |  |
| 2 | Clauses 8 and 9.2.9 Covering a pavement layer |  |  |
| 3 | Clause 9.2.9 Results of compliance testing submitted to Administrator |  |  |
| 11 Sprayed Bituminous Surfacing (Excluding Emulsion) | 1 | Clause 5.2 Permission to use construction procedures |  |  |
| 2 | Clause 6.2 Contractor notified of Principal’s seal design |  |  |
| 3 | Clause 6.3.2 Consideration of the Contractor’s seal design |  |  |
| 4 | Clause 9 Plant to be used |  |  |
| 5 | Clause 10.1.2 Excessive ball penetration test results |  |  |
| 6 | Clause 11.1 Cover aggregate availability |  |  |
| 7 | Clause 14.8 Loose aggregate / signage requirements prior to opening to traffic |  |  |
| 12 Sprayed Bituminous Emulsion Surfacing | 1 | Clause 5.2 Permission to use handling procedures |  |  |
| 2 | Clause 6.2.2 Commencement of spraying operations |  |  |
| 3 | Clause 6.2.3 Commencement of spraying operations |  |  |
| 4 | Clause 9 Plant to be used |  |  |
| 5 | Clause 11.1 Ball embedment testing |  |  |
| 13 Bituminous Slurry Surfacing | 1 | Clause 6 Quarry registration, material from quarry approved by Administrator |  |  |
| 2 | Clause 7.3 Slurry mix design |  |  |
| 3 | Clause 9.1 Laying of slurry |  |  |
| 14 Road Furniture | 1 | Clause 8.2 Dismantling of items to be salvaged |  |  |
| 2 | Clause 9.2 Dismantling of items to be re‑erected |  |  |
| 3 | Clause 13.3.1 Alternative sign face material |  |  |
| 4 | Clause 14.2.1.3 Welding personnel |  |  |
| 5 | Clause 16 Contractor's information signs |  |  |
| 6 | Clause 19.4.6 Test section of extruded concrete traffic barrier |  |  |
| 7 | Clause 20.4.5 Material test certificates reviewed and approved |  |  |
| 8 | Clause 20.4.6.3 Installation not to commence until test certificates match guardrail components |  |  |
| 9 | Clause 20.5.2 Welding personnel |  |  |
| 10 | Clause 20.6.7 Acceptance of guardrail installation |  |  |
| 11 | Clause 21.2 Proprietary end treatment |  |  |
| 12 | Clause 21.4.1 Proprietary road safety barrier installation acceptance |  |  |
| 13 | Clause 21.4.4 Tension Report provided |  |  |
| 15 Noise Fences | 1 | Clause 5 Registered proprietary products |  |  |
| 2 | Clause 7.1 Permission to use noise fence design |  |  |
| 3 | Clause 7.1.3.1 Noise fence impact resistance |  |  |
| 4 | Clause 7.9.2 ‘Brush’ blasting of galvanised panels |  |  |
| 5 | Clause 8.2 Clearing and trimming of trees minimised |  |  |
| 6 | Clause 8.4 Treatment of cut plywood |  |  |
| 7 | Clause 9.1.1 Timber and plywood: assessment of penetration and retention |  |  |
| 8 | Clause 9.1.5 Supply of certification of the construction of plywood sheeting and supply of test results for timber prior to erection |  |  |
| 9 | Clause 9.2.1 Acceptance of manufacture of cementitious and sandwich panels |  |  |
| 10 | Clause 9.3.1 Acceptance of manufacture of transparent safety panels |  |  |
| 16 Landscape and Revegetation Works  | 1 | Clause 5.2.2 Soil Management Plan – Construction is assessed for suitability by the Administrator |  |  |
| 2 | Clause 5.2.2 Soil Management Plan – Construction; updates assessed for suitability by the Administrator |  |  |
| 3 | Clause 5.3.1 Seed Supply Proposal submitted for suitability |  |  |
| 4 | Clause 5.3.2 Plant Supply Proposal submitted for suitability |  |  |
| 5 | Clause 5.3.5 Plant Harvesting Proposal submitted for suitability |  |  |
| 6 | Clause 8.1.2.3 Manufactured Site topsoil compliance testing |  |  |
| 7 | Clause 8.2.5.1 Setting‑out of plants notification |  |  |
| 8 | Clause 8.3.2.1 Design of irrigation system submitted for suitability |  |  |
| 9 | Clause 8.3.2.2 Irrigation system tested before being covered |  |  |
| 10 | Clause 9.1.1.5 Repair or re‑installation of treatments: submit species for their suitability |  |  |
| 20 Cutback Bitumen | 1 | Clause 6.6 Approval to manufacture at the Site |  |  |
| 22 Supply of Cover Aggregate | 1 | Clause 6 Use of quarry |  |  |
| 2 | Clause 10 Use of stockpile site |  |  |
| 27 Geotextiles (Separation and Filtration) | 1 | Clause 8.1 Ordering geotextile |  |  |
| 2 | Clause 10.4 Compliance of delivered geotextile |  |  |
| 30 Asphalt Pavements | 1 | Clause 7.2.5 Asphalt requirements and production |  |  |
| 2 | Clause 7.4.1 Production of asphalt shall be by a registered asphalt manufacturer |  |  |
| 3 | Clause 7.4.1 Non‑conforming mix designs acceptance  |  |  |
| 4 | Clause 8.6.2 Corrective courses and tie‑ins to existing pavements |  |  |
| 5 | Clause 8.7 Pavement temperature and weather conditions acceptable |  |  |
| 6 | Clause 8.11 Pavement trial inspection and test plans |  |  |
| 39 Lean Mix Concrete Sub‑base for Pavements | 1 | Clause 6.4.3.3 Suitable job mix(es) |  |  |
| 2 | Clause 6.4.3.4 Nominated job mix suitability |  |  |
| 3 | Clause 6.5.4.1 Concrete mixing uniformity procedure tested |  |  |
| 4 | Clause 8.4 Steel reinforcement |  |  |
| 5 | Clause 9.3.1 Construction of sub‑base |  |  |
| 6 | Clause 9.3.3.2 Survey at the top of substrate |  |  |
| 7 | Clause 9.6.2 Trafficking of sub‑base concrete |  |  |
| 8 | Clause 9.7 Acceptance of trial section proposed materials, methods, plant and equipment |  |  |
| 9 | Clause 9.7 Acceptance of trial section is conditional on conformance to specification |  |  |
| 10 | Clause 14.1 Rectification works |  |  |
| 40 Concrete Base in Pavements Jointed Unreinforced, Jointed Reinforced, Continuously Reinforced and Steel Fibre Reinforced Pavements | 1 | Clause 5.1.1 Source and conformance of cement |  |  |
| 2 | Clause 5.1.2 Source and conformance of fly ash |  |  |
| 3 | Clause 5.1.7.1 Compatibility of multiple admixtures |  |  |
| 4 | Clause 5.1.8.1 Compliance with source material requirements for aggregates |  |  |
| 5 | Clause 5.1.8.2 Material source assessment |  |  |
| 6 | Clause 5.5.2.3 Proposed job mix report, certifying conformance |  |  |
| 7 | Clause 5.5.2.4 Proposed job mix acceptance |  |  |
| 8 | Clause 5.5.3 Determination of r7 |  |  |
| 9 | Clause 5.5.4 Variations to job mix |  |  |
| 10 | Clause 5.6.4.1 Mixer uniformity testing |  |  |
| 11 | Clause 8.4.2 Placed reinforcing mesh |  |  |
| 12 | Clause 8.4.3 Odd‑shaped slabs |  |  |
| 13 | Clause 8.4.4 Placed reinforcement in CRC base |  |  |
| 14 | Clause 9.3.1 Intention to pave base and trial |  |  |
| 15 | Clause 9.3.3.2 Surface height of sub‑base |  |  |
| 16 | Clause 9.8 Paving trial |  |  |
| 17 | Clause 10.2.4 Sealant details |  |  |
| 18 | Clause 13.1.1 Base removal procedures |  |  |
| 19 | Clause 15.4 Certification of silicon sealant |  |  |
| 45 Road Surface Delineation | 1 | Clause 7.4.1 Setting out of pavement markings |  |  |
| 51 Environmental Management  | 1 | Clause 8.1 Environmental Management Plan by Contractor (EMP(C)) is assessed for suitability by Administrator, submission of EMP(C) |  |  |
| 2 | Clause 8.1 Amendments to EMP(C) assessed for suitability byAdministrator |  |  |
| 57 Geotextiles for Paving Applications | 1 | Clause 5.2 Approval of construction procedures |  |  |
| 2 | Clause 8.2 Ordering of geotextile |  |  |
| 3 | Clause 10.4 Acceptance of delivered geotextile |  |  |
| 61 Mounting Structures for ITS Devices | 1 | Clause 7.2 Commencement of fabrication and / or construction |  |  |
| 62 Bridge Substructure | 1 | Clause 10 Embankment construction |  |  |
| 63 Cast‑In‑Place Piles | 1 | Clause 6.2 Approval of procedure for construction, excavation, inspection, certification and concreting of piles |  |  |
| 2 | Clause 10.4 Geotechnical certification of pile capacity, approval to insert reinforcement cage |  |  |
| 3 | Clause 13.1 Re‑approval of socket / Approval to place concrete |  |  |
| 4 | Clause 13.1 Approval of the tremie for underwater concreting including continuous supply and placing of concrete |  |  |
| 63A Piles for Ancillary Structures  | 1 | Clause 6.2 Pile construction |  |  |
| 2 | Clause 10.1 Construction of pile base |  |  |
| 3 | Clause 11.2 Geotechnical certification of socket and pile base |  |  |
| 4 | Clause 13.1 Placement of concrete with a tremie |  |  |
| 65 Precast Prestressed Concrete Piles | 1 | Clause 5.1 Approval of pile casting program |  |  |
| 2 | Clause 5.2.1 Approval of method for handling transport and storage of piles |  |  |
| 3 | Clause 5.2.3.1 Approval to transport piles |  |  |
| 4 | Clause 6.1 Approval of pile driving procedure |  |  |
| 5 | Clause 6.1 Driving of piles |  |  |
| 6 | Clause 6.1 Removal of piling equipment |  |  |
| 66 Driven Steel Piles | 1 | Clause 6.1 Pile driving procedure |  |  |
| 2 | Clause 6.1 Driving of piles |  |  |
| 3 | Clause 6.1 Removal of piling equipment |  |  |
| 4 | Clause 6.4 Remedial measures for out of tolerance piles |  |  |
| 5 | Clause 10 Extension to piles |  |  |
| 68 Dynamic Testing of Piles | 1 | Clause 7.3 Approval of Wave Equation Analysis and assessment of required final set |  |  |
| 2 | Clause 8 Approval of dynamic pile testing procedure |  |  |
| 70 Concrete | 1 | Clause 11.6 Mix and concrete plant approval prior to first concrete pour |  |  |
| 2 | Clause 17 Approval of falsework |  |  |
| 3 | Clause 19.1 Approval to place concrete |  |  |
| 4 | Clause 19.2 Placing concrete underwater |  |  |
| 5 | Clause 21.1 Unspecified construction joints |  |  |
| 6 | Clause 23 Removal of falsework, formwork and early loading |  |  |
| 7 | Clause 25.1 Approval of surface dressing standard |  |  |
| 71 Reinforcing Steel | 1 | Clause 6.1 Acceptance of supplier |  |  |
| 2 | Clause 8.2 Hot bending of steel reinforcing |  |  |
| 3 | Clause 10 Approval of reinforcement placement |  |  |
| 4 | Clause 11.3 Verifying welded splices |  |  |
| 5 | Clause 13 Substitution of reinforcement |  |  |
| 6 | Clause 14.2 Approval of welding process |  |  |
| 7 | Clause 14.5 Splice welding approval |  |  |
| 8 | Clause 15.1 Provision of lifting for cages |  |  |
| 9 | Clause 15.2 Inspection of cages outside of Australia |  |  |
| 10 | Clause 16 Electricity conductivity |  |  |
| 72 Manufacture of Precast Concrete Elements | 1 | Clause 5.4 Approval of drawings |  |  |
| 2 | Clause 5.4 Acceptance of sample panels |  |  |
| 3 | Clause 5.5 Approval of a new manufacturing procedure |  |  |
| 4 | Clause 5.6 Manufacture of recreational boat ramp planks |  |  |
| 73 Manufacture of Prestressed Concrete Members and Stressing Units | 1 | Clause 5.4 Manufacture of prestressed concrete members |  |  |
| 2 | Clause 5.5 Approval of new procedure |  |  |
| 3 | Clause 7.4.9 Tolerances for void or tub location |  |  |
| 4 | Clause 8.2.1 Restraint system for void formers |  |  |
| 5 | Clause 11.3 First concrete member approval required before pouring concrete |  |  |
| 6 | Clause 16 Acceptance of prestressed concrete members |  |  |
| 74 Supply and Erection of Prestressed Concrete Deck and Kerb Units  | 1 | Clause 5.3.1.1 Approval of procedure for handling transport and storage of units |  |  |
| 2 | Clause 7.1 Approval of erection procedure |  |  |
| 3 | Clause 8.2 Completed joints |  |  |
| 4 | Clause 8.4 Transverse prestressing |  |  |
| 75 Supply and Erection of Prestressed Concrete Girders | 1 | Clause 5.4.1 Approval of procedure for handling transport and storage of girders |  |  |
| 2 | Clause 7.1 Approval of erection procedure |  |  |
| 3 | Clause 7.2.3 Installation of bearings |  |  |
| 76 Supply and Erection of Steel Girders | 1 | Clause 5.4.1 Approval of procedure for handling transport and storage of girders |  |  |
| 2 | Clause 7.1 Approval of erection procedure |  |  |
| 3 | Clause 7.2.3 Installation of bearings |  |  |
| 77 Bridge Deck | 1 | Clause 10.2 Casting cross girders |  |  |
| 2 | Clause 11.1 Casting deck |  |  |
| 3 | Clause 11.4 Lifting of deck surface levels |  |  |
| 4 | Clause 11.8 Deck placement procedure |  |  |
| 5 | Clause 15.3 Welding procedure for stainless steel cover plates |  |  |
| 6 | Clause 18 Erection procedure for footway slabs |  |  |
| 7 | Clause 20.2 Excess loading of deck |  |  |
| 78 Fabrication of Structural Steelwork | 1 | Clause 6 Verification of welding procedure sheets |  |  |
| 2 | Clause 7.1.1 Acceptance of materials |  |  |
| 3 | Clause 7.3.1.1 Test certificates Class 4.6 bolts, nuts and washers |  |  |
| 4 | Clause 7.3.1.1 Test certificates and assembly test reports for each batch of bolts shall be approved by Administrator |  |  |
| 5 | Clause 7.3.2.1 Test certificates Class 8.8 bolts, nuts and washers |  |  |
| 6 | Clause 7.3.2.1 Test certificates and assembly test reports for each batch of bolts shall be approved by Administrator |  |  |
| 7 | Clause 8.5.4 Inspection of butt weld preparation |  |  |
| 8 | Clause 8.5.5 Weld map approved |  |  |
| 9 | Clause 8.5.6 Inspection of completed product |  |  |
| 10 | Clause 8.6.5 Welding outside of Australia |  |  |
| 11 | Clause 8.6.6 Weld maps outside of Australian |  |  |
| 12 | Clause 8.6.7 Inspection of completed product manufactured outside Australia |  |  |
| 13 | Clause 12.3 Bolt tensioning |  |  |
| 79 Fabrication of Aluminium Components | 1 | Clause 6 Approval of weld procedure sheets for all welded aluminium components |  |  |
| 2 | Clause 7.1 Material test certificates approved prior to aluminium fabrication |  |  |
| 3 | Clause 8.4.4 Butt weld preparations |  |  |
| 4 | Clause 8.4.5 Weld map approval |  |  |
| 5 | Clause 8.4.6 Inspection of completed product |  |  |
| 6 | Clause 8.5.5 Welding outside of Australia |  |  |
| 7 | Clause 8.5.6 Weld maps outside of Australia |  |  |
| 8 | Clause 8.5.7 Inspection of completed product manufactured outside of Australia |  |  |
| 80 Supply and Erection of Bridge Barrier | 1 | Clause 8 Barrier alignment and levels |  |  |
| 81 Bridge Bearings | 1 | Clause 5.2 Designer to complete MRTS81.1 Annexure |  |  |
| 2 | Clause 6.2.1.1 Testing of single unbonded layer bearings |  |  |
| 3 | Clause 6.2.2 Reporting of findings |  |  |
| 4 | Clause 6.3.1.1 Testing of laminated elastomeric bearings |  |  |
| 5 | Clause 6.3.2 Reporting of findings |  |  |
| 6 | Clause 7.1 Pot bearings and design loads |  |  |
| 7 | Clause 7.1 Suitability of proposed pot bearings |  |  |
| 8 | Clause 7.2.5 Internal seal alternatives |  |  |
| 9 | Clause 7.5.1 Testing of pot type bearings |  |  |
| 10 | Clause 7.5.6 Reporting of findings |  |  |
| 81A Stainless Steel Bridge Bearings | 1 | Clause 5.2 Design of guide slide pot type bearings |  |  |
| 2 | Clause 6.1 Stainless steel pot bearings and design loads |  |  |
| 3 | Clause 6.1 Suitability of proposed pot bearings |  |  |
| 4 | Clause 6.2.5 Alternative seal designs options require approval |  |  |
| 5 | Clause 6.5.1 Testing of pot type bearings |  |  |
| 6 | Clause 6.5.6 Reporting of findings |  |  |
| 82 Bridge Deck Expansion Joints | 1 | Clause 7.2.1 Fibre reinforced concrete expansion joint preparation |  |  |
| 83 Anti‑Graffiti Protection | 1 | Clause 5.2 Approval of coating |  |  |
| 84 Deck Wearing Surface | 1 | Clause 6 Application of primer |  |  |
| 2 | Clause 7 Asphalt corrector course |  |  |
| 3 | Clause 9 Vehicle equipment and plant induced loads on bridge |  |  |
| 4 | Clause 11.5.2 Waterproof membrane approval |  |  |
| 5 | Clause 11.4 Excessive hog |  |  |
| 84A Cold Milling Bridge Deck Wearing Surface | 1 | Clause 5 Survey of existing asphalt |  |  |
| 2 | Clause 6.2 Acceptance of Equipment Operational Plan |  |  |
| 3 | Clause 6.4 Repair procedure for damage |  |  |
| 4 | Clause 6.6 Removal of cold milling and cleaning plant |  |  |
| 85 Repainting Steel Bridges | 1 | Clause 5.1 Approval of paint system |  |  |
| 2 | Clause 5.5 Acceptance of paint |  |  |
| 3 | Clause 6.6 Categories of repaint areas |  |  |
| 4 | Clause 10.1 Approval of painting procedure |  |  |
| 85A Repainting Existing Steel Bridges and New Steel Bridges Zinc Metal Systems | 1 | Clause 1.2 Applicable system |  |  |
| 2 | Clause 5.1 Approval of paint system |  |  |
| 3 | Clause 5.3 Acceptance of paint |  |  |
| 4 | Clause 6.7 Classification of repaint areas |  |  |
| 5 | Clause 10.1 Approval of painting procedure |  |  |
| 87 Supply of Timber Bridge Materials and Components | 1 | Clause 6.5.3 Approval of alternative hardwood timber species |  |  |
| 2 | Clause 6.5.4 Pre‑delivery inspection of hardwood materials and components |  |  |
| 3 | Clause 6.5.7.1 Verification of compliance with preservative treatment requirements – hardwood timber |  |  |
| 4 | Clause 6.6.4 Approval of proposed alternative decking details using alternative materials – plywood |  |  |
| 5 | Clause 6.6.6 Verification of compliance with preservative treatment requirements – plywood |  |  |
| 6 | Clause 6.7.2 Approval of proposed alternative decking details using alternative materials –prestressed concrete components |  |  |
| 7 | Clause 6.8.2 Approval of proposed alternative decking details using alternative materials –steel |  |  |
| 88 Protective Coating for New Work | 1 | Clause 5.1 Approval of paint inspector |  |  |
| 2 | Clause 7.4 Approval of paint system |  |  |
| 3 | Clause 8.1 Painting application inspection and test plan |  |  |
| 4 | Clause 8.3 Painting in abnormal weather conditions |  |  |
| 5 | Clause 9.3 Defective substrate for steelwork |  |  |
| 6 | Clause 10.2 Defective substrate for concrete |  |  |
| 7 | Clause 11.2 Defective substrate for timber |  |  |
| 89 Post‑tensioned Concrete | 1 | Clause 6.2.3 Void restraints |  |  |
| 2 | Clause 7.1.1 Prestressing strand |  |  |
| 3 | Clause 7.1.4 Couplers |  |  |
| 4 | Clause 7.2.1 Stressing |  |  |
| 5 | Not applicable |  |  |
| 6 | Clause 7.2.3.4 Jacking‑strand and post‑tensioned bar |  |  |
| 7 | Clause 7.3.5 Grouting trial mix |  |  |
| 8 | Clause 7.3.6.2 Grouting operations |  |  |
| 90 Modular Bridge Expansion Joints | 1 | Clause 6.14 Provision of design prior to fabrication |  |  |
| 2 | Clause 8.2 Material test certificates prior to fabrication |  |  |
| 3 | Clause 9.4.5 Corrective action following welding |  |  |
| 4 | Clause 10 Certification of materials prior to assembly |  |  |
| 5 | Clause 11 Assembly procedure prior to assembly |  |  |
| 6 | Clause 13 Transport of Modular Bridge Expansion Joints (MBEJ) |  |  |
| 7 | Clause 14 Installation of MBEJ |  |  |
| 91 Conduits and Pits | 1 | Clause 5.2 Construction of conduits and pits |  |  |
| 2 | Clause 7.1 Material compliance certificate |  |  |
| 3 | Clause 8.1 Excavation for conduits and pits |  |  |
| 4 | Clause 8.7 Boring and / or jacking operations |  |  |
| 5 | Clause 9.1 Installation of conduits |  |  |
| 6 | Clause 9.2 Location of conduits |  |  |
| 7 | Clause 11.1 Backfilling of trenches |  |  |
| 92 Traffic Signal and Road Lighting Footings | 1 | Clause 7.1 Location of footing |  |  |
| 2 | Clause 7.3.3 Depth of footings |  |  |
| 3 | Clause 7.3.7 Placement of concrete |  |  |
| 93 Traffic Signals | 1 | Clause 7.1 Approval of design for each lot of traffic signal work |  |  |
| 2 | Clause 7.2 Changes to approved design |  |  |
| 3 | Clause 15.1.1 Salvage of items of traffic signal equipment |  |  |
| 4 | Clause 15.1.3 Approval prior to removal of items to be salvaged which cause damage |  |  |
| 5 | Clause 16.1 Commencement of compliance testing |  |  |
| 6 | Clause 16.2 Compliance testing |  |  |
| 94 Road Lighting | 1 | Clause 7.1 Design by the Contractor |  |  |
| 2 | Clause 7.2 Additional requirements – luminaires |  |  |
| 3 | Clause 10.3 Testing procedures and compliance testing |  |  |