**SPECIFICATION**

Contents:

Introduction

Contract Specific Requirements

Specification (refer separate .pdf file):

Division G - General

Division CH – Construction & Handover

Division R - Roadworks

Division CC - Concrete

Division S - Structures

The Specification for this Contract is based on the DPTI Master Specification for Transport Infrastructure (**“DPTI Master Specification”**). Any specific requirements for this Contract are included in the part "Contract Specific Requirements”. In the event of any inconsistency or ambiguity, the Contract Specific Requirements shall take precedence over any other part of the Specification or the drawings.

The Specification for this Contract comprises the Contract Specific Requirements and the following parts of the DPTI Master Specification:

|  |  |  |
| --- | --- | --- |
| **Part** | **Title** | **Edition** |
|  | **Division G - General** |  | |
| G | Part G05 IMS | 1-Jul-18 | |
| G | Part G10 Preliminaries | 1-Jul-18 | |
| G | Part G20 Quality Management Requirements | 1-Jul-18 | |
| G | Part G20M Minor Quality Systems | 1-Jul-18 | |
| G | Part G25 Risk Management | 1-Jul-18 | |
| G | Part G30 Work Health and Safety | 1-Jul-18 | |
| G | Part G30 Work Health and Safety MP | 1-Jul-18 | |
| G | Part G30 Work Health and Safety SWMS | 1-Jul-18 | |
| G | Part G50 Environmental Management | 1-Jul-18 | |
| G | Part G50W Environmental Management Requirements | 1-Jul-18 | |
| G | Part G51 Environmental Management Systems | 1-Jul-18 | |
| G | Part G52 Heritage Management and Native Title | 1-Jul-18 | |
| G | Part G53 Noise Mitigation Treatments | 1-Jul-18 | |
| G | Part G40 Safety Provisions for Rail | 1-Jul-18 | |
| G | Part G45 Railways Management Planning | 1-Jul-18 | |
|  |  |  | |
|  | **Division CC - Concrete** |  | |
| CC | Part CC05, CC10, CC20, CC25 Concrete | 1-Dec-17 | |
| CC | Part CC26 Normal Class Concrete | 1-Jul-18 | |
| CC | Part CC27 Geopolymer Concrete | 1-Jul-18 | |
| CC | Part CC30 Precast Concrete Units | 1-Jul-18 | |
| CC | Part CC35 Low Pressure Steam Curing of Precast Units | 1-Jul-18 | |
| CC | Part CC36 Heat Accelerated Curing | 1-Jul-18 | |
| CC | Part CC40 Sprayed Concrete | 1-Jul-18 | |
|  |  |  | |
|  | **Division CH – Construction & Handover** |  | |
| CH | Part CH20 Provision For Traffic | 1-Jul-18 | |
| CH | Part CH20C Provision for Traffic (Customised) | 1-Jul-18 | |
| CH | Part CH20M Minor Construction Provision for Traffic | 1-Jul-18 | |
| CH | Part CH30 Survey | 1-Jul-18 | |
| CH | Part CH30W Marine Survey | 1-Jul-18 | |
| CH | Part CH40 Utility Services | 1-Jul-18 | |
| CH | Part CH50 Environmental Protection Issues | 1-Jul-18 | |
| CH | Part CH50B Bituminous Works Environmental Issues | 1-Jul-18 | |
| CH | Part CH50W Marine Environmental Issues | 1-Jul-18 | |
| CH | Part CH70 Track Access AMPRN | 1-Jul-18 | |
| CH | Part CH75 Track Access External Rail Transport Operators | 1-Jul-18 | |
| CH | Part CH91 Testing and Commissioning (Railways) | 1-Jul-18 | |
| CH | Part CH92 Training Railways Operations and Maintenance | 1-Jul-18 | |
| CH | Part CH93 Asset Management - Railways | 1-Jul-18 | |
|  |  |  | |
|  | **Division D - Design** |  | |
| D | Part D01 Design & Construct Preliminaries | 1-Dec-17 | |
| D | Part D10 Design General | 1-Dec-17 | |
| D | Part D12 Independent Design Verification | 1-Jul-18 | |
| D | Part D13 Road Safety Audit | 1-Jul-18 | |
| D | Part D16 Safety in Design | 1-Jul-18 | |
| D | Part D19 Design Environmental | 1-Jul-18 | |
| D | Part D20 Design Roadworks | 1-Jul-18 | |
| D | Part D27 Design Utility Services | 1-Jul-18 | |
| D | Part D35 Design Structural | 1-Jul-18 | |
| D | Part D37 Design Landscape and Urban Design | 1-Jul-18 | |
| D | Part D81 Design Railway Tracks | 1-Jul-18 | |
| D | Part D82 Design Railway Signalling and Communications | 1-Jul-18 | |
| D | Part D83 Design Railway Overhead Wiring | 1-Jul-18 | |
| D | Part D11 Engineering and Design Management Railways | 1-Jul-18 | |
| D | Part D81 Design Railway Tracks | 1-Jul-18 | |
| D | Part D82 Design Railway Signalling and Communications | 1-Jul-18 | |
| D | Part D83 Design Railway Overhead Wiring | 1-Jul-18 | |
|  |  |  | |
|  | **Division L - Landscape** |  | |
| L | Part L01 Landscape General | 1-Jul-18 | |
| L | Part L02 Earthworks and Topsoiling | 1-Jul-18 | |
| L | Part L03 Erosion Control Matting | 1-Jul-18 | |
| L | Part L05 Supply of Plant Material | 1-Jul-18 | |
| L | Part L10 Planting | 1-Jul-18 | |
| L | Part L15 Lawn Establishment | 1-Jul-18 | |
| L | Part L18 Palm Transplanting | 1-Jul-18 | |
| L | Part L19 Tree Transplanting and Relocating | 1-Jul-18 | |
| L | Part L20 Hydroseeding | 1-Jul-18 | |
| L | Part L21 Direct Seeding | 1-Jul-18 | |
| L | Part L23 Plant Rescue and Maintenance | 1-Jul-18 | |
| L | Part L25 Irrigation | 1-Jul-18 | |
| L | Part L27 Water Sensitive Urban Design Treatments | 1-Jul-18 | |
| L | Part L30 Tree Hollow Relocations | 1-Jul-18 | |
| L | Part L40 Tree Pruning and Removal | 1-Jul-18 | |
| L | Part L45 Bushcare | 1-Jul-18 | |
| L | Part L48 Herbaceous and Woody Weed Control | 1-Jul-18 | |
| L | Part L50 Permeable Paving | 1-Jul-18 | |
| L | Part L60 Maintenance of Plants | 1-Jul-18 | |
| L | Part L65 Maintenance of Hydroseeding and Direct Seeding Areas | 1-Jul-18 | |
| L | Part L70 Maintenance of Seeded Areas and Lawns | 1-Jul-18 | |
| L | Part L80 Maintenance of Native Grasses | 1-Jul-18 | |
|  |  |  | |
|  | **Division M – Road Maintenance** |  | |
| M | Part M05 Maintenance Works | 1-Jul-18 | |
| M | Part M06 Maintenance Inspection and Reporting | 1-Jul-18 | |
| M | Part M11 Maintenance General Provisions | 1-Jul-18 | |
| M | Part M50 Maintenance Environmental Management Requirements | 1-Jul-18 | |
| M | Part M55 Maintenance Environmental Protection Issues | 1-Jul-18 | |
| M | Part M61 Maintenance Drainage | 1-Jul-18 | |
| M | Part M62 Maintenance Pavement | 1-Jul-18 | |
| M | Part M63 Maintenance Unsealed Surface Treatment | 1-Jul-18 | |
| M | Part M64 Maintenance Road Side Furniture | 1-Jul-18 | |
| M | Part M65 Maintenance Road Side Vegetation | 1-Jul-18 | |
| M | Part M66 Maintenance Road User Amenities | 1-Jul-18 | |
| M | Part M67 Maintenance Accident Damage, Vandalism & Emergency Response | 1-Jul-18 | |
| M | Part M70 Maintenance of Traffic Lights and ITS Fixtures | 1-Jul-18 | |
| M | Part M80 Maintenance Wire Rope Safety Barrier System | 1-Jul-18 | |
|  |  |  | |
|  | **Division P – Professional Services** |  | |
| P | Part P10 Professional Services Preliminaries | 1-Jul-18 | |
| P | Part P20 Planning General | 1-Jul-18 | |
| P | Part P30 Planning Processes | 1-Jul-18 | |
| P | Part P40 Stakeholder and Community Engagement Processes | 1-Jul-18 | |
| P | Part P50 Environmental and Impact Assessment | 1-Jul-18 | |
| P | Part P60 Project Issues and Impacts | 1-Jul-18 | |
| P | Part P70 Outputs and Reports | 1-Jul-18 | |
| P | Part P80 Reference Design | 1-Jul-18 | |
| P | Part P85 Detailed Design | 1-Jul-18 | |
| P | Part P86 Design Environmental | 1-Jul-18 | |
| P | Part P95 Independent Review of Design | 1-Jul-18 | |
| P | Part P96 Independent Review of Construction | 1-Jul-18 | |
|  |  |  | |
|  | **Division R - Roadworks** |  | |
| R | Part R03 Supply of Pipes & Culverts | 1-Jul-18 | |
| R | Part R04 Installation of Stormwater Drainage | 1-Jul-18 | |
| R | Part R05 Kerbing | 1-Jul-18 | |
| R | Part R06 Boring | 1-Jul-18 | |
| R | Part R07 Trench Excavation and Backfill | 1-Jul-18 | |
| R | Part R08 Pavement Reinstatement | 1-Jul-18 | |
| R | Part R09 Controlled Low Strength Material | 1-Jul-18 | |
| R | Part R10 Earthworks | 1-Jul-18 | |
| R | Part R15 Supply of Pavement Materials | 1-Jul-18 | |
| R | Part R20 Pavements General | 1-Jul-18 | |
| R | Part R21 Construction of Unstabilised Granular Pavements | 1-Jul-18 | |
| R | Part R22 Plant Mixed Stabilised Pavement | 1-Jul-18 | |
| R | Part R23 Insitu Stabilisation | 1-Jul-18 | |
| R | Part R24 Construction of Foamed Bitumen Stabilised Pavement | 1-Jul-18 | |
| R | Part R25 Supply of Bituminous Materials | 1-Jul-18 | |
| R | Part R26 Application of Sprayed Bituminous Surfacing | 1-Jul-18 | |
| R | Part R26DA Design and Application of Sprayed Bituminous Surfacing | 1-Jul-18 | |
| R | Part R27 Supply of Asphalt | 1-Jul-18 | |
| R | Part R28 Construction of Asphalt Pavements | 1-Jul-18 | |
| R | Part R29 Slurry Microsurfacing | 1-Jul-18 | |
| R | Part R30 Cold Planing | 1-Jul-18 | |
| R | Part R31 Application of Cape Seals | 1-Jul-18 | |
| R | Part R32 Application of Thin Asphalt Surfacings | 1-Jul-18 | |
| R | Part R33 Design of Spray Seals | 1-Jul-18 | |
| R | Part R34 Surface Characteristics Spray Seals | 1-Jul-18 | |
| R | Part R35 Surface Characteristics Roughness | 1-Jul-18 | |
| R | Part R36 Construction of Shoulders | 1-Jul-18 | |
| R | Part R37 Supply of Pavement Crack Sealant | 1-Jul-18 | |
| R | Part R38 Application of Pavement Crack Sealant | 1-Jul-18 | |
| R | Part R39 Texture Restoration of Sealed Roads | 1-Jul-18 | |
| R | Part R40 Supply of Cold Mix Asphalt | 1-Jul-18 | |
| R | Part R42 Supply and Installation of Steel Beam Safety Barrier Systems | 1-Jul-18 | |
| R | Part R43 Wire Rope Safety Barrier Systems | 1-Jul-18 | |
| R | Part R44 Construction of Concrete Safety Barrier Systems | 1-Jul-18 | |
| R | Part R45 Materials for Pavement Marking | 1-Jul-18 | |
| R | Part R46 Application of Pavement Marking | 1-Jul-18 | |
| R | Part R47 Supply and Application of Audio Tactile Line Marking | 1-Jul-18 | |
| R | Part R48 Supply of Signs | 1-Jul-18 | |
| R | Part R49 Sign Installation | 1-Jul-18 | |
| R | Part R50 Supply of Lighting Components | 1-Jul-18 | |
| R | Part R51 Supply of Luminaires | 1-Jul-18 | |
| R | Part R52 Installation of Lighting for Roads and Public Spaces | 1-Jul-18 | |
| R | Part R53 Supply and Installation of Conduits and Pits | 1-Jul-18 | |
| R | Part R54 Supply of LED Lanterns | 1-Jul-18 | |
| R | Part R55 Installation of Traffic Signals | 1-Jul-18 | |
| R | Part R56 Installation of Safety Cameras | 1-Jul-18 | |
| R | Part R58 Consumer Mains Electrical Power Distribution | 1-Jul-18 | |
| R | Part R60 General Requirements for the Supply of ITS Equipment | 1-Jul-18 | |
| R | Part R61 Installation and Integration of ITS Equipment | 1-Jul-18 | |
| R | Part R62 Mains Power for Traffic Management Equipment | 1-Jul-18 | |
| R | Part R63 Telecommunications Network | 1-Jul-18 | |
| R | Part R64 Electrical Switchboards | 1-Jul-18 | |
| R | Part R65 ITS Enclosures | 1-Jul-18 | |
| R | Part R66 Supply of Variable and Changeable Message Signs | 1-Jul-18 | |
| R | Part R67 Imaging Equipment | 1-Jul-18 | |
| R | Part R68 Field Processors | 1-Jul-18 | |
| R | Part R69 Supply and Installation of Vehicle Detector Systems | 1-Jul-18 | |
| R | Part R70 Telecommunications Cabling | 1-Jul-18 | |
| R | Part R71 Help Phones | 1-Jul-18 | |
| R | Part R80 Supply of Guideposts and Delineators | 1-Jul-18 | |
| R | Part R81 Installation of Guide Posts and Delineators | 1-Jul-18 | |
| R | Part R82 Supply and Installation of Gabions, Reno Mattresses and Mesh Panels | 1-Jul-18 | |
| R | Part R83 Construction of Shared Paths | 1-Jul-18 | |
| R | Part R84 Secondary Paving | 1-Jul-18 | |
| R | Part R85 Supply of Geotextiles | 1-Jul-18 | |
| R | Part R86 Supply and Installation of Fencing | 1-Jul-18 | |
|  |  |  | |
|  | **Division RW - Railways** |  | |
| RW | Part RW10 Railways Management Planning | 1-Jul-18 | |
| RW | Part RW20 Systems and Safety Assurance | 1-Jul-18 | |
| RW | Part RW30 Railways Design | 1-Jul-18 | |
| RW | Part RW40 Access to the Rail Corridor | 1-Jul-18 | |
| RW | Part RW50 Inspection Testing and Commissioning | 1-Jul-18 | |
| RW | Part RW60 Asset Management Handover | 1-Jul-18 | |
|  |  |  | |
|  | **Division S - Structures** |  | |
| S | Part S10 Earthworks for Structures | 1-Jul-18 | |
| S | Part S15 Supply and Installation of Driven Piles | 1-Jul-18 | |
| S | Part S16 Cast In Place Concrete Piles | 1-Jul-18 | |
| S | Part S17 Continuous Flight Auger Piles | 1-Jul-18 | |
| S | Part S20 Reinforced Soil Structures | 1-Jul-18 | |
| S | Part S22 Soil Nailing | 1-Jul-18 | |
| S | Part S24 Pretensioned Concrete | 1-Jul-18 | |
| S | Part S25 Postensioned Concrete | 1-Jul-18 | |
| S | Part S26 Transportation and Erection of Structural Members | 1-Jul-18 | |
| S | Part S28 Fibre Reinforced Polymer Composite Strengthening of Concrete Structures | 1-Jul-18 | |
| S | Part S30 Fabrication of Structural Steelwork | 1-Jul-18 | |
| S | Part S35 Protective Coating of Structural Steelwork | 1-Jul-18 | |
| S | Part S36 Protective Treatment of Structural Steelwork (Previously Coated) | 1-Jul-18 | |
| S | Part S37 Galvanizing | 1-Jul-18 | |
| S | Part S40 Bearings | 1-Jul-18 | |
| S | Part S45 Deck Expansion Joints | 1-Jul-18 | |
| S | Part S55 Bridgeworks Sundries | 1-Jul-18 | |
|  |  |  | |
|  | **Division W – Marine Works** |  | |
| W | Part W10 Marine Demolition | 1-Jul-18 | |
| W | Part W20 Piling | 1-Jul-18 | |
| W | Part W30 Timber Work | 1-Jul-18 | |
| W | Part W40 Repair of Timber Piles | 1-Jul-18 | |
| W | Part W50 Sundries | 1-Jul-18 | |
| W | Part W60 Dredging | 1-Jul-18 | |

If a part of the DPTI Master Specification is not attached to this document, it will be available from:

<http://www.dpti.sa.gov.au/contractor_documents/specifications>.