

## **Department for Infrastructure and Transport**

#### **Guidelines:**

## PREFERRED SUPPLY ARRANGEMENT **CIVIL AND BRIDGES**

(PSA No. 20C951)

**CONTACT FOR FURTHER INFORMATION** 

Version: December 2024

General Enquiries DIT.PSACB@sa.gov.au

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Revision: 5

Knet Ref. #16902610

#### **CONTENTS**

1 In	troduction3
1.1	Guidelines3
1.2	Accuracy of Guidelines3
1.3	Your Use of Guidelines3
1.4	Procurement Process does not create a Contract
	OUR Application to the PSACB4
2.1	Format of Application4
2.2	Application Categories4
2.3	Application4
2.4	Validity5
2.5	Timeframes5
2.6	Principal's Use of Your Application Materials5
	ONSORTIA AND SUB-CONTRACTING FOR THE APPLICATION
3.1 3.2	Consortia
_	Sub-contracting6 PPLICATION PROCUREMENT PROCESS CONDUCT
4 Ai	Your Conduct7
4.2	Principal Conduct7
4.3	Confidentiality7
	PPLICATION EVALUATION PROCESS 8
5.1	Evaluation8
5.2	Negotiation10
5.3	Financial Checks11
5.4	Acceptance to the PSACB11
5.5	Review of Ongoing Compliance11
5.6	Performance11
5.7	Performance Review11
5.8	Updates to the GC21 Terms and Conditions and Contract Information 12
6 H	OW TO WIN WORK 13
6.1	General
6.2	Work Order Request
6.3	Work Order Offer14
6.4	Work Order Offer Evaluation14
6.5	Award15
	OVERNMENT POLICIES 16
7.1	Employment of Ex-Government Employees
7.2	Disclosure of Government Contracts
CONDI APPEN	NDIX 1 – APPLICATION FORM INCLUDING GC21 AND MW21 GENERAL ITIONS OF CONTRACT17 NDIX 2 – WORK ORDER REQUEST EXAMPLE

#### 1 INTRODUCTION

#### 1.1 Guidelines

Suppliers (Applicants) wishing to be part of PSA No. 20C951 – *Preferred Supply Arrangement Civil and Bridges* (PSACB) are invited by the Department for Infrastructure and Transport (the Department) to submit an Application in accordance with these Guidelines (the Application).

To be eligible, Applicants must be able to demonstrate the appropriate prequalification appertaining to performing Civil and Bridge Works for the Commissioner of Highways (the Principal).

The submission must contain all information requested in the Application otherwise the Application may not be considered.

An Applicant may submit an Application at any time whilst the PSACB is open. If an Applicant's Application is unsuccessful, the Applicant may submit a new Application at any time.

If an Applicant's Application is approved, the Applicant will become a member of the PSACB (Member).

Membership of the PSACB does not guarantee that the Member will be awarded any Work by the Principal, nor are any representations or guarantees made by the Principal regarding the amount of Work that may be awarded to a Member over the term of the PSACB.

Any Work awarded under the PSACB will be in accordance with the GC21 Terms and Conditions (refer to Appendix 1) in conjunction with the execution of a Letter of Award (refer to Appendix 3).

The Principal may amend or add to the information in these Guidelines or the Application at any time.

## 1.2 Accuracy of Guidelines

The Principal makes no promise or representation that any factual information supplied in the Guidelines, Application or in connection with your participation in the PSACB is accurate.

Information is provided by the Principal in good faith and the Principal will not be liable for any omission from these Guidelines.

#### 1.3 Your Use of Guidelines

Without the express prior written consent of the Principal, you must not re-produce, re-advertise and/or in any way use the contents of these Guidelines either in whole or in part, other than for the purpose of preparing and lodging your Application.

#### 1.4 Procurement Process does not create a Contract

Your Application is at your sole risk.

Nothing in these Guidelines or your Application may be construed as creating any binding contract or other legal relationship (express or implied) between you and the Principal.

Your participation in the PSACB is non-exclusive.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024

Nothing in these Guidelines shall prevent or prohibit or be construed as preventing or prohibiting the Principal from seeking services or materials from any other company, whether prequalified for the PSACB or otherwise.

#### YOUR APPLICATION TO THE PSACB

#### 2.1 Format of Application

Your Application must:

- a) be in English;
- b) be endorsed by an appropriately authorised officer;
- c) observe word limits where specified as the Principal reserves the right to disregard any part(s) of your Application that exceed any specified word limit;
- d) be concise and only provide what is sufficient to present a complete and effective response; and
- e) be in the format included in Appendix 1 of these Guidelines.

The Principal may disregard any content in an Application that is illegible.

#### 2.2 Application Categories

The PSACB is open to all suppliers who are currently accredited on the Department's Prequalification for Transport Infrastructure Roadworks and Bridgeworks and the National Prequalification System (Prequalification). Further information about Prequalification can be found at https://www.dit.sa.gov.au/contractor\_documents/prequalification.

The PSACB will be split into Categories 1, 2 and 3 and the relevant Pregualification scheme categories (i.e. Roadworks ("R") and Bridgeworks ("B")) as follows:

Category 1 <\$4 000 000 (GST inclusive)	Category 2 \$4 000 000 - \$15 000 000 (GST inclusive)	Category 3 >\$15 000 000 (GST inclusive)
Prequalification categories R1 and B1 or above, with minimum F1 rating.	Prequalification categories R2 and B2 or above, with minimum F5 rating.	Prequalification categories R3 and B3 or above, with minimum F25 rating.

If your Application for Category 3 is accepted, you will qualify for Category 1, 2 and 3.

If your Application for Category 2 is accepted, you will qualify for Category 1 and 2.

If your Application for Category 1 is accepted, you will only qualify for Category 1.

#### 2.3 Application

You may only submit an Application for a category if you hold an appropriate Prequalification for that category.

Your Application must include the completed schedules and evidence set out in 'Checklist for Application' in Appendix 1 (the Application). Refer to Schedule 3: Application Requirements within the Application for further information.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Revision: 5

Version: December 2024 Page 4 of 19

As part of the Application, you are required to agree to the PSACB GC21 Terms and Conditions provided in Attachment 1 of the Application. The Principal may, in its absolute discretion, require changes for specific Work Order Request requirements.

If a Member is successful in being awarded Works following a secondary procurement process, those Works will be awarded by a Letter of Award. No site access will be granted unless the Letter of Award is fully executed and all other conditions precedent for site access have been satisfied.

You are responsible for the cost of preparing and submitting your Application(s) and all other costs arising from your participation in the PSACB.

An Applicant may submit an Application at any time whilst the PSACB is open for Applications. If an Applicant is unsuccessful in an Application, the Applicant may submit a new Application.

#### 2.4 Validity

By lodging an Application, you agree that the Application will remain open for acceptance by the Principal for 120 days from submission of the Application.

#### 2.5 Timeframes

The PSACB is for a term up to 36 months from the establishment date with the option of two (12) month extension terms subject to the Principal's discretion.

The period of notice to extend shall be six (6) months prior to the expiry of the then current term.

#### 2.6 Principal's Use of Your Application Materials

Upon lodgement, your Application will become the property of the Principal.

Intellectual Property owned by you or any third parties forming part of the Application will not pass to the Principal with the physical property comprising the Application materials. However, you acknowledge and agree that you have the authority to grant, and do so grant, to the Principal an irrevocable, royalty free licence to use, reproduce and circulate any copyright material contained in the Application to the extent necessary to conduct the evaluation and in the preparation of any resultant contract.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Knet Ref

Revision: 5

Version: December 2024 Page 5 of 19

## 3 CONSORTIA AND SUB-CONTRACTING FOR THE APPLICATION

#### 3.1 Consortia

If you are a member of a consortium then your Application must stipulate which part(s) of these Guidelines that each entity comprising the consortium would provide and how the entities would relate with each other to ensure full provision of the Guidelines.

All consortium members that are not natural persons are to provide details relating to their legal nature and any relevant corporate structure.

The Principal will treat the Contact Person listed in Schedule 1 of the completed Application as the preferred contact person for any consortium Application.

#### 3.2 Sub-contracting

You remain legally responsible for meeting the PSACB Guidelines in all respects both during the Application Process and during any resultant Contractual relationship with the Principal.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Knet Ref. #16902610 Revision: 5

Version: December 2024 Page 6 of 19

#### 4 APPLICATION PROCUREMENT PROCESS CONDUCT

#### 4.1 Your Conduct

You must:

- a) ensure all communications are undertaken via the DIT.PSACB mailbox;
- b) declare any actual or potential conflict of interest;
- c) not employ or engage the services of any person who has a duty to the Principal as an adviser, consultant or employee (or former adviser, consultant or employee);
- d) not apply any incentive to, or otherwise attempt to influence, any employee of the Principal or any member of an evaluation team at any time;
- e) not engage in any collusive or anti-competitive conduct with any Supplier or Applicant under these Guidelines;
- f) comply with all laws in force in South Australia applicable to this PSACB;
- g) disclose whether you are acting as agent, nominee or jointly with another person(s) and disclose the identity of the other person(s); and
- h) not issue any news releases or responses to media enquiries and questions regarding these guidelines without the Principal's written approval.

If you act contrary to the expectations outlined above, the Principal reserves the right (regardless of any subsequent dealings) to exclude your Application from further consideration.

#### 4.2 Principal Conduct

The Principal will:

- a) preserve the confidentiality of any information marked as confidential (subject to conditions concerning confidentiality); and
- b) give all Applicants under the PSACB the opportunity to compete fairly.

## 4.3 Confidentiality

You must identify any aspect of your Application that you consider should be kept confidential and provide reasons. The Principal is not obliged to treat information as confidential and in the absence of any agreement to do so, you acknowledge that the Principal has the right to publicly disclose the information.

Any condition in your Application that seeks to prohibit or restrict the Principal's right to disclose information will not be accepted.

Notwithstanding any undertaking regarding confidentiality, by submitting an Application you agree that the Principal may forward information relating to you or your Application to the Australian Competition and Consumer Commission (ACCC) if the Principal reasonably suspects, or is notified by the ACCC that it reasonably suspects, that there is cartel conduct or unlawful collusion in relation to your participation in the PSACB (whether or not the suspicion relates to your Application).

Information supplied by or on behalf of the Principal is confidential and you are obliged to maintain its confidentiality. You may disclose confidential information to any person that has a need to know the information for the purposes of submitting your Application.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Knet Ref. #16902610

Revision: 5

### 5 APPLICATION EVALUATION PROCESS

#### 5.1 Evaluation

You must meet all the mandatory criteria evaluation for qualification to be a member in the PSACB, as shown in tables 5.1 (Evaluation Criteria):

Table 5.1 – Mandatory criteria assessment for qualification to the PSACB

PSACB Mandatory Criteria	Category 1  Road and/or Bridge works  <\$4 000 000  GST incl.	Category 2  Road and/or Bridge works  \$4 000 000  <\$15 000 000  GST incl.	Category 3  Road and/or Bridge works  >\$15 000 000 GST incl.
Hold a current Financial Rating with the Department  Minimum "F" (Financial) Rating. Minimum rating for initial establishment, noting these will vary based on the financial value of the work order and risk of the procurement.  (no evidence is required for submission with this Application¹)	F1	F5	F25
Hold a current Roadworks and/or Bridgeworks Prequalification Rating with the Department  Minimum "R" (Roadworks) and "B" (Bridgeworks) Rating.  (no evidence is required for submission with this Application¹)	R1 / B1	R2 / B2	R3+ / B3+
Provide Applicant Information  Applicants must complete and return the attached Applicant Information (refer to Schedule 1) with their Application.	Mandatory	Mandatory	Mandatory
Industry Participation Plan Statement of Intent completed as part of the returnable schedules.  Applicants must complete and return the attached Statement of Intent (refer to Schedule 5) with their Application.	Mandatory	Mandatory	Mandatory

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024

Compliance with the Australian Government Code for the Tendering and Performance of Building Work 2016 for any works containing Federal Government funding streams. Refer to further information provided in Schedule 4.  Applicants must provide a completed Declaration of Compliance (refer to Schedule 6) with the Application.	Not Mandatory	Mandatory	Mandatory
Hold a current Australian Government Building and Construction Work Health and Safety (WHS) Accreditation Scheme. Refer to further information provided in Schedule 4.  Applicants must provide evidence of the required accreditation in the form of a certificate or similar with the Application.	Not Mandatory	Preferred, Mandatory to tender for any Federally funded Projects	Mandatory
Licencing Requirements in accordance with the requirements of the Consumer and Business Services of SA:  • Builders Licensing requirements to perform "ANY BUILDING WORK" which covers all building and civil construction works without restriction is preferred; OR • Builders Licensing requirements to perform "CIVIL CONSTRUCTION" which covers all civil work without restriction at a minimum.  Applicants must provide evidence of the required license in the form of a certificate or similar with the Application.	Mandatory	Mandatory	Mandatory
Provision of company signed acceptance of the PSACB Terms and Conditions and Specifications.  Applicants must return a signed copy of Schedule 2 with the Application.	Mandatory	Mandatory	Mandatory
Provide Kiteworks contact details.  Applicants must return a completed Schedule 7 with the Application.	Mandatory	Mandatory	Mandatory

<sup>&</sup>lt;sup>1</sup> Applications will be reviewed against the Department's current Roadworks and Bridgeworks prequalification for transport infrastructure at: <a href="https://www.dpti.sa.gov.au/contractor">https://www.dpti.sa.gov.au/contractor</a> documents/prequalification

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Knet Ref. #16902610

Revision: 5

Version: December 2024 Page 9 of 19

Where mandatory criteria are specified and your Application does not comply with these criteria the Principal may choose not to further evaluate your Application.

The Principal may in its absolute discretion (but is not obliged to):

- a) take into account any relevant consideration when evaluating Applications;
- b) invite any person or entity to lodge an Application;
- c) allow a member under the PSACB to change its Application;
- d) consider, decline to consider, or accept (at the Principal's sole discretion) an Application lodged other than in accordance with these guidelines;
- e) seek further information from you regarding your Application including but not limited to requests for additional information or presentations by, or interviews with you or your key personnel;
- f) seek and evaluate relevant financial viability data concerning your business and related entities including seeking any assistance from third party providers;
- g) suspend or terminate the PSACB;
- h) make enquiries of any person or entity to obtain information about you and your Application (including but not limited to the referees); and
- i) visit your facilities and your proposed subcontractor's facilities in order to assess your capabilities and performance (at a mutually convenient time), and you acknowledge that the Principal may seek to contact or visit your customers in order to assess your capabilities and performance.

#### 5.2 Negotiation

The Principal may choose to:

- a) enter into negotiations with you or any Applicant under the PSACB (including parallel negotiations with more than one member under the PSACB) in order to vary an Application on grounds of capability/capacity, technical issues, cost, effectiveness, to finalise agreement on the terms of the contract, or any other matters;
- b) re-evaluate Applications generally after any negotiation;
- c) suspend, discontinue or terminate at any time negotiations with you or any member under the PSACB or any other person or organisation;
- d) negotiate with you or any member under the PSACB for the provision of any part of the Guidelines and negotiate with any other member under the PSACB with respect to the same or other parts of the Guidelines and to enter into one or more contracts for part or parts of the Guidelines;
- e) negotiate at any time with any organisation that is not a member under the PSACB and enter into a contract in relation to the Guidelines or any part of the Guidelines with that organisation on such terms as the Principal, at its absolute discretion, considers appropriate; and
- f) seek best and final Applications from all or some of the members under the PSACB. Irrespective of the Principal's right to negotiate and/or seek a best and final Application, you are bound by your Application, and if selected, you must be willing to enter into a contract on the basis of your Application.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Knet Ref. #16902610

Version: December 2024

Page 10 of 19

#### 5.3 Financial Checks

You may undergo a financial viability assessment as a minimum once per calendar year upon acceptance to the PSACB in accordance with the Department's Procedure PR236 Financial Assessment of Companies.

#### 5.4 Acceptance to the PSACB

You will be notified in writing of your acceptance onto the PSACB and your entity name will appear on the PSACB register published on the Principal's website.

#### 5.5 Review of Ongoing Compliance

At any time the Principal may request that you provide evidence of your ongoing compliance with the requirements under which your membership on the PSACB was granted.

Within 7 days of such request you shall provide the required information.

Your failure to provide all the required information within 7 days may result in you being removed from the PSACB (at the sole discretion of the Principal).

#### 5.6 Performance

#### **Revocation of Applicant Status**

A Member will be removed from the PSACB (at the Principal's discretion), if the Member:

- a) does not respond to a Work Order Request in any 12 month period having been issued at least three requests in that 12 month period;
- b) fails to maintain the Prequalification under which the Member was granted acceptance on the PSACB; or
- c) fails a financial check as part of the Principal's Prequalification scheme.

#### 5.7 Performance Review

A Member's performance will be measured at the completion of each Work Order (as a minimum) in accordance with the Department's Performance Rating - Major Works procedure. The results of the performance review may be used in the assessment of future Work Order Offers.

You may not be offered work under the PSACB (at the Principal's discretion) if you demonstrate poor performance through the Department's Performance Rating - Major Works procedure.

The Principal may, in its absolute discretion, consider your performance in previous agreements with the Principal when awarding Works to you.

The Principal may, in its absolute discretion and without limiting this clause 5.7, consider your current workload and availability to perform Works to the nominated completion date when awarding Works to you.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024 Page 11 of 19

# 5.8 Updates to the GC21 Terms and Conditions and Contract Information

From time to time, the Department may update the GC21 Terms and Conditions that appear on its website as well as the Contract Information that appears at Attachment 1 of the Application.

If this occurs, you will be notified in advance in writing of the changes and you will be provided with the opportunity to confirm whether you wish to remain a PSACB Member in light of the changes.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024

#### 6 HOW TO WIN WORK

#### 6.1 General

Upon establishment of the PSACB, Works will be identified and released via a secondary procurement process by the issuing of Work Order Requests to Members.

Work Order Requests will be released to PSACB Members based on their Category, scheme accreditation (e.g. roadworks and bridgeworks) and Financial Prequalification.

The type and number of projects released through the PSACB will be at the Principal's discretion.

In accordance with Section 2.2 above, packages will be released based on the following:

- for low risk and/or routine Work with an estimated Contract value up to \$4 000 000 (GST inclusive) a Work Order Request will be released to Category 1, Category 2 and Category 3 Members;
- for Work considered low to medium risk with an estimated Contract value greater than \$4 000 000 (GST inclusive) and less than \$15 000 000 (GST inclusive) the Work Order Request will be released to Category 2 and Category 3 Members; and
- for all Work with an estimated Contract value of greater than \$15 000 000 (GST inclusive) a Work Order Request will be released to Category 3 Members.

The Financial Prequalification for each Work Order will be nominated in the Work Order Request.

Meeting the Financial Prequalification threshold for entry into a Category of the PSACB does not guarantee that the Member will meet the Financial Prequalification requirement in a Work Order Request issued to Members of that Category. For example, a Work Order Request issued to Category 2 Members may require the Member to hold an F10 Financial Prequalification.

The appropriate Category level thresholds will be determined as follows:

Category	Financial Threshold	Complexity	Pr		equalification	
	(GST inclusive)	Rating	Financial	Roadworks	Bridgeworks	
1	<\$4 million	Low	F1	R1	B1	
2	<\$15 million	Low to Medium	F5	R2	B2	
3	>\$15 million	Low to Medium	F25	R3+	B3+	

At the Principal's sole discretion, Work may be requested as an individual project or a bundle of multiple projects. Locations will be both metro and rural covering the State of South Australia. Work may be required across a range of environments, some of which may require specific conditions of entry such as rail corridors, traditional owned lands (e.g. APY Lands) and active construction sites. You will be obligated to comply with all site entry prerequisites.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024

#### 6.2 Work Order Request

For Work under the PSACB, the Principal will release a Work Order Request which may include, but will not be limited to:

- Contact details, submission details and closing time and date;
- Tender Form;
- Contract Information to the GC21 Terms and Conditions;
- The Principal's Documents including:
  - o Functional and Operational Requirements (if a design and construct project)
  - Contract Scope document;
  - o Appendices;
- Pricing schedules;
- · Working Time; and
- IPP requirements.

An example of a Work Order template (incorporating a Work Order Request) is included in Appendix 2.

Work requested under a Work Order Request is based on the unamended PSACB GC21 Terms and Conditions agreed by you at the Application stage. No negotiation or changes to the GC21 Terms and Conditions requested by you during any subsequent stages will be considered by the Principal.

The number of Members issued with a Work Order Request will be selected at the Principal's sole discretion.

#### 6.3 Work Order Offer

All Work Order Offers shall be submitted within the time specified in the Work Order Request via the SA Tenders and Contracts website (or as stated on the Work Order Request) unless otherwise advised by the Principal.

The Work Order Offer will be in the format provided in the Principal's Work Order Request and shall not include any other documents or schedules not requested in the Work Order Request. Additional documents or schedules provided with a Work Order Offer will not be considered and may lead to the Work Order Offer being non-conforming and set aside from further evaluation.

Late submissions may not be considered.

#### 6.4 Work Order Offer Evaluation

The Work Order Offer will be evaluated using the Adjusted Comparative Pricing method.

The evaluation weightings for the PSACB are as follows:

• x (price): 80%

• y (non-price): 20%

A project specific evaluation plan will be developed for each Work Order Offer with targeted non-price criteria.

Knet Ref. #16902610

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

#### 6.5 Award

Upon completion of the Work Order Offer evaluation, if Work is to be awarded by the Principal, a Letter of Award substantially in the form included in Appendix 3 will be issued to the preferred Member. Nothing provided by the Principal prior to this Letter of Award will constitute an acceptance by the Principal of a Work Order Offer or give rise to a contractual obligation.

The Letter of Award will constitute the formal instrument of agreement between the Principal and the Member for the Work.

The preferred Member shall sign and return the Letter of Award to the Principal's Representative. If the Letter of Award is not returned to the Principal in accordance with the requirements of the Letter of Award, unless otherwise advised in writing by the Principal, the acceptance of your Work Order Offer will be deemed withdrawn, and the GC21 Terms and Conditions terminated, with no compensation payable by the Principal to the Member, including for any work under GC21 Terms and Conditions performed by you prior to the withdrawal.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Knet Ref. #16902610

Revision: 5

Version: December 2024 Page 15 of 19

#### 7 GOVERNMENT POLICIES

South Australian Government policies apply to all South Australian Government purchasing and related activities.

#### 7.1 Employment of Ex-Government Employees

Unless an exemption has been granted by the Treasurer, the Principal will not accept the services of any former public sector employee, either directly or through a third party, for a period that corresponds with the number of weeks of a targeted voluntary separation package received from the South Australian Government, where such engagement may breach the conditions under which the separation package was paid to the former public sector employee.

#### 7.2 Disclosure of Government Contracts

If a Contract is entered into, the Principal may disclose that Contract and/or information in relation to it in either printed or electronic form and either generally to the public or to a particular person as a result of a specific request.

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Knet Ref. #16902610

Revision: 5

## APPENDIX 1 – APPLICATION FORM INCLUDING GC21 AND MW21 GENERAL CONDITIONS OF CONTRACT

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Knet Ref. #16902610

Revision: 5

Version: December 2024 Page 17 of 19



## **Department for Infrastructure and Transport**

#### **APPLICATION FOR:**

Preferred Supply Arrangement – Civil and Bridges (PSACB) (PSA No. 20C951)

**APPLICATIONS AND FURTHER INFORMATION**  **General Enquiries** 

DIT.PSACB@sa.gov.au

22 March 2021 **ESTABLISHED** 

**INITIAL TERM** Up to 36 months from the establishment date (with the

option of two 12 month extensions at the Principal's

discretion)

20C951 Preferred Supply Arrangement - Civil and Bridges - Appendix 1 Application Form

Revision: 5

Knet Ref. #17029979 Version: December 2024 Page 1

## Works Covered by 20C951 Preferred Supply Arrangement – Civil and Bridges (PSACB)

Category	Service	Prequalification	Work Order Value (GST inclusive)
1	Roadworks	R1	<\$4 000 000
	Bridge works	B1	<\$4 000 000
2	Roadworks	R2	\$4 000 000 < \$15 000 000
	Bridge works	B2	\$4 000 000 < \$15 000 000
3	Roadworks	R3+	>\$15 000 000
	Bridge works	B3+	>\$15 000 000

Revision: 5

Knet Ref. #17029979 Version: December 2024 Page 2

#### **INSTRUCTIONS**

#### General

Suppliers (Applicants) wishing to apply for 20C951 Preferred Supply Arrangement – Civil and Bridges with the Department for Infrastructure and Transport (the Department) <u>must</u> fill out this Application Form and attach the information requested.

- Complete the Application Form and save as a .docx or .pdf file (without these instructions).
- Save the attachments as .pdf files. Where the files are small, they should be combined so that an absolute maximum of 10 files in total are submitted. Strictly follow the numbering system in this form when preparing the attachments.

Further guidance on applying for membership can be found in the Application Guidelines: 20C951 Preferred Supply Arrangement - Civil and Bridges.

The submission of an Application is deemed agreement by the Applicant to the terms and conditions of the Guidelines.

#### Submitting the Application

Applications must:

- a) include all documentation outlined in this Application Form, together with any other supporting technical or financial information:
- b) include file names which clearly indicate the applicable section numbers of this application that are addressed in the file; and be submitted electronically at DIT.PSACB@sa.gov.au
- c) with the following subject line:

NEW APPLICATION - 20C951 Preferred Supply Arrangement - Civil and Bridges

**Do not** submit a hard copy.

**<u>Do not</u>** submit information not specifically requested in this Application.

Enquiries may be directed to DIT.PSACB@sa.gov.au.

#### **Publication of Details**

Once accepted in the PSACB, the contact details provided in this Application Form will be published on the following internet site: <a href="https://dit.sa.gov.au/contractor\_documents/prequalification">https://dit.sa.gov.au/contractor\_documents/prequalification</a>.

It is the Applicant's responsibility to ensure that the contact details provided are up to date.

20C951 Preferred Supply Arrangement – Civil and Bridges – Appendix 1 Application Form Revision: 5

Revision: 5 Knet Ref. #17029979 Version: December 2024 Page 3

#### **CHECKLIST FOR APPLICATION**

For each item below, please tick the box to indicate that the Schedule has been:

- 1. Completed; and
- 2. Included with your returned Application.

Description	Included
Mandatory for all Applicants:	
Schedule 1 - Applicant Information	
Schedule 2 – GC21 Terms and Conditions and Specifications Compliance	
Schedule 3 – Please <u>attach</u> evidence to Schedule 3 demonstrating that you hold the required Building Licence issued by Consumer and Business Services SA (refer to Schedule 3 for further information)	
Schedule 5 - Statement of Intent	
Schedule 7 – Registration with <u>Tenders SA</u> - Mandatory	
Additional requirements (if applicable) (refer to Schedule 3 for furthe information):	er
Schedule 3 – Please <u>attach</u> evidence to Schedule 3 demonstrating that you hold Australian Government Building and Construction Work Health and Safety (WHS) Accreditation	
Schedule 6 – ABCC - Declaration of Compliance – Code for the Tendering and Performance of Building Work 2016. Please attach evidence to schedule 6 demonstrating compliance by providing a ABCC Self-Assessment A form, ABCC Letter of compliance or alternate forms as accepted by ABCC	

In addition to the above items which are to be completed with your Application, the below Schedule includes important information relating to the PSACB. Please tick the box to indicate that you have read and understood the Schedule:

Schedule 4 – Building Code 2016 and Australian Government Building and Construction WHS Accreditation Scheme information

## **APPLICATION FORM**

## **Schedule 1. Applicant Information**

Trading Name	
Registered Name	
ACN	
ABN	
Address of registered office	
Place of business in South Australia (if relevant)	
Type of entity (e.g. company, trust, partnership, sole trader, other)	
Key Personnel (e.g. directors, chief executive officer, principal of business etc.)	
Telephone	
Website	
Current DIT Roadworks and Bridge works Prequalification held by the Applicant	
(the Applicant must currently hold a Roadworks or Bridge works prequalification to make an application)	
Contact Details	
Contact Person	
Position	
Address	
Postal address	
E-mail (provide 2 e-mail addresses. These must also be registered with Tenders SA – Schedule 7)	
Telephone	

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cause a conflict of interest or potential conflict of interest, and actions to prevent or manage the conflicts of interest.	

You must provide details of any actual or perceived interests, relationships or clients which may

### **Discipline(s) Being Applied For:**

Please specify sub-categories where appropriate by ticking the boxes of each category you are applying for.

#### Note:

- Applicants need only apply for the highest category membership as Members are able to tender for lower category works.
- Members may apply for different categories for Roadworks and Bridge, depending on prequalification requirements.

	Category 1	Category 2	Category 3
Roadworks			
Bridge works			

APPLICANT'S MINIMUM PREQUALIFICATION REQUIREMENTS							
Proposed Work Order Value	<\$4 000 000	\$4 000 0000<\$15 000 000	>\$15 000 000				
Financial Prequalification	min. F1 required	min. F5 required	min. F25 required				
Roadworks Prequalification	R1	R2	R3+				
Bridge works Prequalification	B1	B2	B3+				

# **Schedule 2: Terms and Conditions and Master Specification Compliance**

Terms and Conditions				
Confirm that:  1. you agree to comply with the proposed Preferred Supply Arrangement – Civil and Bridges GC21 Terms and Conditions outlined in Attachment 1 without any further amendment; and  2. you acknowledge that if you do not return the executed Letter of Award in accordance with the terms of that Letter of Award, unless otherwise advised in writing by the Principal, the acceptance of your Work Order Offer will be deemed withdrawn, and the Contract (as defined in the Letter of Award) terminated, with no compensation payable by the Principal to you, including for any work under Contract (as defined in the Letter of Award) performed by you prior to the withdrawal.	Yes/No			
Specifications				
Confirm that you agree to comply with the relevant specifications outlined in <a href="Attachment 2">Attachment 2</a> .	Yes/No			
By:(Signature )	(Printed Name)			
(Date)	(Position Held in Company)			
(Witness Signature )	(Witness Printed Name)			
(Date)	(Position Held in Company)			

## **Schedule 3: Application Requirements**

## 3.1 Mandatory Criteria:

Applicants must provide the following mandatory information with the Application.

PSACB Mandatory Criteria	Category 1  Road and/or Bridge works  <\$4 000 000  GST incl.	Category 2  Road and/or Bridge works  \$4 000 000  <\$15 000 000  GST incl.	Category 3  Road and/or Bridge works  >\$15 000 000  GST incl.
Hold a current DIT Financial Rating  Minimum "F" (Financial) Rating. Minimum rating for initial establishment, noting these will vary based on the financial value of the work order and risk of the procurement.  (no evidence is required for submission with this Application¹)	F1	F5	F25
Hold a current DIT Road and/or Bridge Prequalification Rating  Minimum "R" (Road) and "B" (Bridge) Rating.  (no evidence is required for submission with this Application <sup>1</sup> )	R1 / B1	R2 / B2	R3+ / B3+
Provide Applicant Information  Applicants must complete and return the attached Applicant Information (refer to Schedule 1) with their Application.	Mandatory	Mandatory	Mandatory
Industry Advocate Statement of Intent completed as part of the returnable schedules.  Applicants must complete and return the attached Statement of Intent (refer to Schedule 5) with their Application.	Mandatory	Mandatory	Mandatory
Compliance with the Australian Government Code for the Tendering and Performance of Building Work 2016 for any works containing Federal Government funding streams. Refer to further information provided in Schedule 4.  Applicants must provide a completed Declaration of Compliance (refer to Schedule 6) with the Application.	Not Mandatory	Mandatory	Mandatory

Hold a current Australian Government Building and Construction Work Health and Safety (WHS) Accreditation Scheme and ensure their accreditation details are kept up to date with the Australian Federal Safety Commissioner. Refer to further information provided in Schedule 4.  Applicants must provide evidence of the required accreditation in the form of a certificate or similar with the Application.	Not Mandatory	Preferred, Mandatory to tender for any Federally funded Projects	Mandatory
Licencing Requirements in accordance with the requirements of the Consumer and Business Services of SA:  • Builders Licensing requirements to perform "ANY BUILDING WORK" which covers all building and civil construction works without restriction is preferred; OR • Builders Licensing requirements to perform "CIVIL CONSTRUCTION" which covers all civil work without restriction at a minimum.  Applicants must provide evidence of the required license in the form of a certificate issued by the Consumer Business Services South Australia with the Application.	Mandatory	Mandatory	Mandatory
Provision of company signed acceptance of the PSACB Terms and Conditions and Specifications.  Applicants must return a signed copy of Schedule 2 with the Application.	Mandatory	Mandatory	Mandatory
Applicants must register with Tenders SA to receive Work Order Requests	Mandatory	Mandatory	Mandatory

<sup>&</sup>lt;sup>1</sup>Applications will be reviewed against the current DIT Roadworks and Bridge work prequalification for transport infrastructure at: <a href="https://www.dpti.sa.gov.au/contractor\_documents/prequalification">https://www.dpti.sa.gov.au/contractor\_documents/prequalification</a>

# Schedule 4: Building Code 2016 and Australian Government Building and Construction WHS Accreditation Scheme information

#### 4.1 Building Code

i. In these clauses:

**ABCC** means the body referred to in subsection 29(2) of

the Act.

Act means the Building and Construction Industry

(Improving Productivity) Act 2016.

Building Code means the Code for the Tendering and Performance

of Building Work 2016, which is available at

https://www.legislation.gov.au/Details/F2017C00668.

**Building Work** has the same meaning as in subsection 3(4) of the

Building Code.

Commonwealth

**Funded Building** 

Work

means Building Work in items 1-8 of Schedule 1 of

the Building Code.

**Enterprise** has the same meaning as in the *Fair Work Act 2009*.

Agreement

**Exclusion Sanction** has the same meaning as in subsection 3(3) of the

Building Code.

**Related Entity** has the same meaning as in subsection 3(2) of the

Building Code.

Works means Commonwealth Funded Building Work that is

the subject of this Request for Tender.

ii. The Building Code applies to the Works.

- iii. You must comply with the Building Code and meet the eligibility requirements set out in section 23 of the Building Code at the time of your Application.
- iv. As part of your Application, you must submit:
  - 1. a signed "Declaration of Compliance" which is attached to this Application; and
  - 2. the further information outlined in Attachment A to the "Declaration of Compliance".
- v. You will only enter into a subcontract in relation to the Works if:
  - you and your Related Entities are not covered by an Enterprise Agreement that does not meet the requirements of section 11 of the Building Code;
  - 2. you are not subject to an Exclusion Sanction or excluded from undertaking work funded by a state or territory government unless approval to do so is provided by the ABC Commissioner;

- 3. you will only use products in relation to the Works that comply with the relevant Australian standards published by, or on behalf of, Standards Australia.
- vi. The Principal will exclude Applicants from further consideration if at any time before a contract is executed in relation to the Works the applicant considers that they do not comply with the requirements in clause 4.1(v).

Applicants can find further information about the Building Code 2016 at  $\underline{www.abcc.gov.au}.$ 

## 4.2 <u>Australian Government Building and Construction WHS Accreditation Scheme</u> (for Category 2 (preferred) and Category 3 (mandatory) Applications only)

Applicants must be accredited under the Work Health and Safety Accreditation Scheme (WHS Accreditation Scheme) when entering into contracts for building work covered by the WHS Accreditation Scheme and maintain accreditation while the building work is being carried out.\*

The WHS Accreditation Scheme is established under the *Building and Construction Industry (Improving Productivity) Act 2016* (Cth) and specified in the *Building and Construction Industry (Improving Productivity) (Accreditation Scheme) Rules 2019.* 

A successful Applicant must comply with all conditions of Scheme accreditation.

\* Paragraph 26(g) of the *Building and Construction Industry (Improving Productivity)* (Accreditation Scheme) Rules 2019 outlines provisions applying to joint venture arrangements that include accredited and unaccredited builders.

Refer to www.fsc.gov.au for further information.

#### Schedule 5: Statement of Intent

This Statement of Intent has been specifically designed for (DIT)-Preferred Supply Arrangement for Civil and Bridges (PSACB).

The South Australian Industry Participation Policy (SAIPP), which is underpinned by the *Industry Advocate Act 2017*, established the framework to deliver the following objectives:

The SAIPP objectives are to promote:

- Government expenditure that results in economic development for South Australia; and,
- Value for money for public expenditure; and,
- The economic development of the steel industry and other strategically important industries for South Australia; and,
- Capable businesses based in South Australia being given full, fair, and reasonable opportunity to tender and participate in government contracts.

Responses will be used to benchmark supplier commitments to SAIPP objectives in any secondary procurement process.

#### SUPPLIER TENDER INFORMATION

Responsible C Agency	Sovernment	Department for Infrastructure and Transport		
Project Title	Preferred Supp 20C951)	oly Arrangement – Civil and Bridges (PSACB) – (PSA No.		
Business Name			Authorised Person Name	
Telephone			Email	

Does your business meet the following definition of being a South Australian business?	YES	NO	Current South Australian Workforce #	Administration & back-office work based in SA %
A locally based business is defined as a business which has been operating in South Australia for at least 2 years with greater than 50% of the SA operation's workforce being residents of South Australia.				

Please indicate below, your business's intent to deliver South Australian Economic Outcomes, through the delivery of the contract.

South Australian Supply Chain and Workforce			
The inclusion of South Australian suppliers (including self-performed works).	YES	NO 🗆	N/A
% Of contract delivered by South Australian suppliers.	Between 50% & 75% □	Between 75% & 90% □	Greater than 90% □
The employment of South Australian labour.	YES	NO	N/A □
% Of South Australian residents employed.	Between 50% & 75% □	Between 75% & 90% □	Greater than 90% □
Utilisation of structural and/or reinforcing steel in the project which meets Australasian Certification Authority for Reinforcing and Structural Steels (ACRS) accreditation.	YES	NO 🗆	N/A □
Engagement of steelwork fabricators who are certified to the standards of Steelwork Compliance Australia.	YES	NO	N/A □
Aboriginal Economic Participation – Supply Chain and Workforce			
Inclusion of South Australian Aboriginal businesses in the supply chain.	YES	NO	N/A □
% Of services delivered by South Australian Aboriginal suppliers.	Between 2% & 5%	Between 5% & 10%	Greater than 10%
The employment of South Australian Aboriginal people.	YES	NO 🗆	N/A
% Of services delivered by South Australian Aboriginal people.	Between 2% & 4% □	Between 4% & 7% □	Greater than 7% □
Trainees, Cadets, and Graduates			
The inclusion of South Australian cadets, trainees, and graduates.	YES	NO	N/A □
Number of training and apprenticeship contracts to be made available to new South Australian apprentices and trainees.	Between 0-2 □	Between 3 & 5 □	Greater than 5 □

Project Title Preferred Supply Arrangement – Civil and Bridges (PSACB) - (PSA No.20C951)
 Declaration

 As a duly authorised officer of the Business, I have read this document and understand what is required to be completed.
 I am also familiar with the South Australian Industry Participation Policy, Procedural Guidelines, Industry Advocate Act 2017, and the Business's responsibilities under this policy.
 If selected to tender under a secondary procurement under the Panel, I understand that there may be a requirement to complete an Industry Participation Plan (IPP); and if awarded a contract, to provide reporting against IPP commitments to the Industry Advocate, as required.

Date:

Signature:

#### **Schedule 6: Declaration of Compliance**

20C951 - PSACB

Name of Applicant: ABN: ACN:

In this Declaration of Compliance: 1.1.1.

> **ABCC** means the body referred to in subsection 29(2) of

> > the Act.

**ABC Commissioner** means the Australian Building and Construction

Commissioner referred to in subsection 15(1) of the

Act.

Act means the Building and Construction Industry

(Improving Productivity) Act 2016.

**Building Code** means the Code for the Tendering and Performance

of Building Work 2016, which is available at

https://www.legislation.gov.au/Details/F2017C00668.

**Building Contractor** 

**Building Industry** 

**Participant** 

has the same meaning as in the Act.

has the same meaning as in the Act.

**Building Work** has the same meaning as in subsection 3(4) of the

Building Code.

Commonwealth **Funded Building** 

Work

means Building Work in items 1-8 of Schedule 1 of

the Building Code.

**Enterprise** 

**Agreement** 

**Exclusion Sanction** 

has the same meaning as in the Fair Work Act 2009.

has the same meaning as in subsection 3(3) of the

Building Code.

**Related Entity** has the same meaning as in subsection 3(2) of the

Building Code.

Sub-subcontractor means a Building Contractor or Building Industry

> Participant who the Subcontractor has entered, or proposes to enter, into a sub-subcontract with to

undertake any of the Works.

Works means the Commonwealth Funded Building Work

that is proposed to be the subject of a contract with

the successful Applicant.

- 1.1.2. The Applicant acknowledges that it and its Related Entities must comply with the Building Code in relation to all Building Work described in Schedule 1 of the Building Code for which an expression of interest or request for tender (however described) is called on or after the date that the Building Code commenced, being 2 December 2016, and, should it be the successful Applicant, in relation to the Works.
- 1.1.3. The Applicant undertakes to ensure that it and its subcontractors, should it be the successful Applicant, comply with the Building Code.
- 1.1.4. The Applicant acknowledges the powers and functions of the ABC Commissioner and the ABCC under the Act and the Building Code and undertakes to ensure that it and its Sub-subcontractors will comply with any requests made by the ABCC and the ABC Commissioner within those powers and functions, including but not limited to requests for entry under section 72 of the Act, requests to interview any person under section 74 of the Act, requests to produce records or documents under sections 74 and 77 of the Act and responding to requests for information concerning matters relating to the Building Code under subsection 7(c) of the Building Code.
- 1.1.5. The Applicant declares that where it proposes to subcontract any of the Works, should it be the successful Applicant, it will:
  - a. not enter into a subcontract with a subcontractor who:
    - i. is covered by, or has Related Entities covered by, an Enterprise Agreement that does not meet the requirements of section 11 of the Building Code;
    - ii. is subject to an Exclusion Sanction; or
    - iii. unless approved otherwise by the ABC Commissioner, is excluded from performing Building Work funded by a state or territory government; and
  - b. only enter into a subcontract where:
    - the subcontractor undertakes to only use products in relation to the Works that comply with the relevant Australian standards published by, or on behalf of, Standards Australia;
    - ii. the subcontractor undertakes to comply with the Workplace Relations Management Plan approved by the ABCC in accordance with Part 6 of the Building Code that applies to the Works;
    - iii. the subcontractor has submitted a declaration of compliance, including the further information outlined in Attachment A to the declaration of compliance, in substantively the same form as the model declaration of compliance applicable to contractors and subcontractors in relation to the Building Code; and
    - iv. the subcontract with the subcontractor contains clauses in substantively the same form as the model contract clauses applicable to contractors and subcontractors in relation to the Building Code (located in Part 5 in the document titled Model Clauses Type B, available on the ABCC website (www.abcc.gov.au).
- 1.1.6. The Applicant declares that it has provided all of the further information required by Attachment A to this Declaration of Compliance.
- 1.1.7. The Applicant declares that:

- a. It, and its Related Entities, are not covered by an Enterprise Agreement that does not meet the requirements of section 11 of the Building Code (Applicant must complete Section Two of Attachment A);
- b. it is not subject to an Exclusion Sanction;
- it will only use products in relation to the Works that comply with the relevant
   Australian standards published by, or on behalf of, Standards Australia, should it be
   the successful Tenderer; and
- d. it will comply with the Workplace Relations Management Plan approved by the ABCC in accordance with Part 6 of the Building Code that applies to the Works, should it be the successful Tenderer.

(Applicants to insert additional sheets for response as necessary)

By:(Signature)	(Printed Name)
(Date)	(Company Name)
(Witness Signature)	(Witness Printed Name)
(Date)	(Company Name)

#### SCHEDULE 7 SA Tenders and Contracts Contact Details

All Preferred Supply Arrangement work packages will be issued via the SA Tenders and Contracts website <a href="https://www.tenders.sa.gov.au">https://www.tenders.sa.gov.au</a> to the person/s nominated in the Application Form.

The Applicant shall be registered with <u>SA Tenders & Contracts</u> and provide contact details for the nominated person/s for the release of work packages relevant to this Preferred Supply Arrangement.

For this purpose applicants shall ensure all contacts nominated below are accurate and maintained on the SA Tenders & Contracts website as these will be referred to when releasing packages on the website.

Should you require assistance with updating details on the website please contact the SA Tenders and Contracts Helpdesk on (08) 8462 1401.

Name (as registered on SA Tenders)	Company Name (as shown on SA Tenders)	Email Address

# ATTACHMENT A – INFORMATION REGARDING COMPLIANCE WITH THE CODE FOR THE TENDERING AND PERFORMANCE OF BUILDING WORK 2016

Item	Requirement	Compliance
1	Does the Applicant, or its Related Entities, have an Enterprise	[Yes/No]
	Agreement that does not meet the requirements of section 11 of the Building Code?	Details: complete Section Two of this Attachment A and attach the required evidence according to the Applicant's situation.
2	Is the Applicant excluded from performing Building	[Yes/No]
	Work funded by a state or territory government? If so, the Principal reserves the right to exclude the Applicant from further consideration.	Details:
3	Has the Applicant within the preceding 3 years had an adverse	[Yes/No]
	decision, direction or order of a court or tribunal made against it for a breach of a designated building law, work health and safety law or the Migration Act 1958?	Details:
4	Has the Applicant or its Related Entities within the preceding 3	[Yes/No]
	years been required to pay any amount under an adjudication certificate (provided in accordance with a law relating to the security of payments that are due to persons in	Details:

	respect of Building Work) to a Building Contractor or Building Industry Participant?	
5	Has the Applicant or its Related Entities within the preceding 3 years owed any unsatisfied judgement debts to a Building Contractor or Building Industry Participant?	[Yes/No]  Details:

# ATTACHMENT 1 – GC21 TERMS AND CONDITIONS AND MW21 GENERAL CONDITIONS OF CONTRACT

GC21 General Conditions of Contract (current version) and MW21 General Conditions of Contract (current version) available at:

- 1. https://www.dit.sa.gov.au/contractor\_documents/dpti\_general\_conditions\_of\_contract; (not including the blank Contract Information); and
- 2. The Contract Information set out immediately below.\*

<sup>\*</sup>noting that any Preferred Supply Arrangement work package awarded will have a tailored Contract Information.

# **GC21 General Conditions of Contract Contract Information**

## Contract

Item

**Contract name** 

The Contract name is: Refer to Letter of Award

The Contract number is: Refer to Letter of Award

Site

Defined in clause 79

The Site is: Refer to Letter of Award

**Description of the Works** 

Mentioned in clause 8

The Works are: Refer to Letter of Award

## **Principal's details**

**Principal** 

Defined in clause 79

The Principal is: The Commissioner of Highways, a body corporate

established pursuant to the Highways Act 1926 (SA) of

Level 9, 83 Pirie Street, Adelaide SA 5000.

ABN: 45 751 448 902

**Principal's Authorised Person** 

Mentioned in clause 2

The Principal's Authorised Person Director, Contract Management

**Notices to the Principal** 

Mentioned in clause 11

Notices must go to the Principal's Authorised Person named above, at the address or number shown here.

Level 8, 83 Pirie Street, address: (for delivery by hand)

Adelaide SA 5000

GPO Box 1533, address: (for delivery by post) Adelaide SA 5001

Facsimile number: Not applicable

e-mail address: cameron.billinghurst@sa.gov.au

## **Principal's Senior executive**

Mentioned in clauses 69 & 70

The Principal's senior executive is: Executive Director, Commercial and

Contract Management

Office address: Level 8, 83 Pirie Street, (for delivery by hand)

Adelaide SA 5000

GPO Box 1533, Postal address: (for delivery by post) Adelaide SA 5001

Facsimile number: Not applicable

e-mail address: brian.roche@sa.gov.au

## **Contractor's details**

#### Contractor

The Contractor is: Refer to Letter of Award

## **Contractor's Authorised Person**

Mentioned in clause 2

The Contractor's Authorised Person Refer to Letter of Award

## 10 Notices to the Contractor

Mentioned in clause 11

Notices must go to the Contractor's Authorised Person named above, at the address or number shown here.

address: Refer to Letter of Award Office

(for delivery by hand)

Refer to Letter of Award address: (for delivery by post)

Facsimile number: Not applicable

e-mail address: Refer to Letter of Award

## 11 Contractor's senior executive

Mentioned in clause 70

The Contractor's senior executive is: Refer to Letter of Award

Office address: Refer to Letter of Award (for delivery by hand)

Refer to Letter of Award address: Postal

(for delivery by post)

Facsimile number: Not applicable e-mail address:

Refer to Letter of Award

## **Dates and times**

#### 12 Date of Contract

Defined in clause 79

The Date of Contract is:

Date of the Letter of Award

## 13 Times for Site access and Completion

Site access: Mentioned in clause 34

Contractual Completion Date and Completion: Mentioned in clause 65

Time periods for Site access and for calculating Contractual Completion Dates are as shown.

Description Time Period for giving Site access Time Period for Completion

The whole of the Works:

Refer to Item 13 of Schedule 1 Annexure of the Work Order Offer

## **Statutory and Government requirements**

## 14 Fees, charges and approvals

Mentioned in clause 12

Approvals that have been obtained or will be obtained, and fees and charges that have been paid or will be paid, by the Principal are:

Refer to Letter of Award

## 15 Compliance with SA Government guidelines

## A - Work Health and Safety (WHS)

Mentioned in clause 16

Work Health and Safety Management Systems and Auditing Guidelines

Is the Contractor required to implement a Corporate WHS safety management system acceptable to the Principal? (Yes/No)

Yes

Is the Contractor required to submit a WHS Management Plan in accordance with the WHS Regulations 2012 (SA) (Yes/No)

Yes

If required, the WHS Management Plan must be provided:

not less than 28 days before starting work

on the Site

## **C - Quality Management**

#### Mentioned in clause 16

Is the Contractor required to implement a certified Quality Management System? (Yes/No)

Is the Contractor required to submit a Quality Management Plan? (Yes/No)

If required, the Quality Management Plan nust be provided:

Yes

Yes

Yes

## **D** - Environmental Management

#### Mentioned in clause 16

Environmental Management systems Guidelines

Is the Contractor required to implement an accredited Environmental Management System? (Yes/No)	Yes
Is the Contractor required to submit an Environmental Management Plan? (Yes/No)	Yes
If required, the Environmental Management Plan must be provided:	not less than 28 days before starting work on the Site

## **E** - Industry Participation Plan

Mentioned in clause 16

Is the Contractor required to implement an Industry Participation Plan? (Yes/No)

## 16 Requirements for Commonwealth Funded projects

# **B** - Australian Government Building and Construction WHS Accreditation Scheme

Yes

Mentioned in clause 18

Is the Contractor required to maintain accreditation under the Australian Government Building and Construction WHS Accreditation Scheme?

Refer to Item 16 of Schedule 1 Annexure of the Work Order Offer

## 17 Principal contractor

Mentioned in clause 17

Is the Contractor appointed as Yes principal contractor? (Yes/No)

## 18 Working hours and working days

Mentioned in clause 19

Working hours and working days are: to comply with *Statutory Requirements* and the following agreed working hours and working days:

Refer to Schedule 20 of the Work Order Offer

## Liability

## 19 Not Used

## 20 Proportionate liability

Mentioned in clause 26.12

Is proportionate liability excluded from the Contract? (Yes/No)

Yes

## Insurance

#### 21 Works Insurance

Mentioned in clauses 27.1 & 27.2

The party responsible for effecting
Works insurance is:

The Principal, refer to Schedule 10 –
Principal Arranged Insurances

The Contract Price

As set out in Schedule 10 – Principal Arranged Insurances

## 22 Public liability insurance

## Mentioned in clauses 27.1 & 27.2

The party responsible for effecting public liability insurance is:

Minimum cover is:

\$20,000,000 per occurrence (and in the aggregate for Products Liability in any one policy period)

Period of cover is:

As set out in Schedule 10 – Principal Arranged Insurances

## 23 Workers compensation insurance

Mentioned in clause 27.3

Minimum cover is: as required by law.

Period of cover is: as required by law.

## 24 Professional indemnity insurance

Mentioned in clause 27.3.2

Is a professional indemnity insurance policy to be held by the Contractor?
(Yes/No)

Minimum cover is:

Refer to Item 24 of Schedule 1 Annexure of the Work Order Offer

Period of cover is:

To be held for a minimum of six (6) years after Completion of the whole of the Works.

## 25 Marine liability insurance

Mentioned in clause 27.3.3

Minimum cover is: Period of cover is:

Not applicable Not applicable

## **Contract Documents**

## **26 Other Contract Documents**

Mentioned in clause 7.1.5

Other Contract Documents (not listed in clause 7) are:

Work Order – comprising Work Order Request sent by the Principal to the Contract, and Work Order Offer sent by the Contractor to the Principal Letter of Award

## **Principal's Documents**

## 27 Copies of Principal's Documents

Mentioned in clause 7.4

The number of copies of the Principal's Documents to be provided to the Contractor is:

1 electronic copy

## **Contractor's Documents**

## 28 Copies of Contractor's Documents

Mentioned in clause 40.1

The number of copies of the Contractor's Documents to provided to the Principal is:

1 electronic copy in a format acceptable to the Principal

## **Subcontract work**

## 29 Inclusion of consistent requirements in Subcontracts

Mentioned in clause 28.4

The Subcontract value requiring inclusion of the provisions set out in Schedule (Subcontract requirements) is:

\$200,000.00

## 30 Payment period for Subcontracts

Mentioned in clause 28.4.2

The maximum period before payment, is:

30 Days

## 31 Preferred Subcontractors

Mentioned in clause 29.3

The *Preferred Subcontractors* referred to in clause 29 are:

Class of work	Subcontractors
Not applicable	

## 32 Subcontractor's Warranty

Mentioned in clause 30.1

Trades or areas of work requiring a Subcontractor's warranty are:

Not applicable

## **Undertakings**

## 33 Completion Undertaking

Mentioned in clause 33.1

The amount of the *Completion Undertaking* is:

Refer to Item 33 of Schedule 1 Annexure of the Work Order Offer

## 34 Post-Completion Undertaking

Mentioned in clause 33.1

The Amount of *Post-Completion Undertaking* is:

Refer to Item 34 of Schedule 1 Annexure of the Work Order Offer

## 35 Return of Post-Completion Undertaking

Mentioned in clause 33.2.2

The period at the end of which the *Post-Completion Undertaking* must be returned is:

Refer to Item 35 of Schedule 1 Annexure of the Work Order Offer

## Site information

## 36 Site information

Mentioned in clause 36

Information contained in the documents identified in Contract Information items 36A and 36B does not form part of the Contract.

## A - Documents not guaranteed for completeness

Documents not guaranteed for completeness are: Refer to Item 36 of Schedule 1 Annexure of the Work Order

## **B** - Documents not guaranteed for accuracy, quality or completeness

Documents not guaranteed for accuracy, quality or completeness are:

Refer to Item 36 of Schedule 1 Annexure of the Work Order

## 37 Site Conditions

#### Mentioned in clause 37.2

Is the Contractor to bear the full risk, including cost and time implications, of encountering and dealing with materially adverse *Site Conditions* other than carrying out *Variations* instructed by the Principal? (Yes/No)

Refer to Item 37 of Schedule 1 Annexure of the Work Order Offer

## **Design and documentation**

## 38 Scope of design activities

## A - Design by the Contractor

Mentioned in clause 39

Must the Contractor carry out all design necessary in connection with the Works? (clause 39.1.1):

Refer to Item 38 of Schedule 1 Annexure of the Work Order Offer

## **B** - Design by the Principal

Must the Pricipal carry out all design necessary in connection with the Works? (clause 39.1.2):

Refer to Item 38 of Schedule 1 Annexure of the Work Order Offer

## C - Contractor to complete Design provided by the Principal

Must the Contractor complete the design provided by the Principal? (clause 39.1.2):

Refer to Item 38 of Schedule 1 Annexure of the Work Order Offer

## **D - National Construction Code**

Mentioned in clauses 39 & 43

Does the National Construction Code apply? (Yes/No)

Refer to Item 38 of Schedule 1 Annexure of the Work Order Offer

## **Novation**

## 39 Novation

Mentioned in clause 41

Will there be a novation of the Principal's Novated Consultant to the Contractor?

Name of Novated Consultant?

Not applicable

Principal's Novated Consultant: Not applicable

## **Payments**

## 40 Contract Price at the Date of Contract

#### Mentioned in clauses 55

The *Contract Price* which is inclusive of GST)at the Date of Contract is:

Refer to Tender Form of the Work Order Offer

## **Basis of payment**

The basis of payment is:

(Lump sum / Schedule of Rates / Lump sum with Rate Items)

Refer to Item 40 of Schedule 1 Annexure of the Work Order Offer

## 41 Rise or fall adjustments

#### Mentioned in clause 55.2

Are rise or fall adjustments applicable to the Contract (excluding *Daywork*)? (Yes/No)

Refer to Item 41 of Schedule 1 Annexure of the Work Order Offer

#### 42 Provisional Sums

## Mentioned in clause 55.4

Provisional Sum items referred to in clause 55.4 are:

Refer to Item 42 of Schedule 1 Annexure of the Work Order Offer

## 43 Provisional Sum margin

#### Mentioned in clause 55.4

The *Provisional Sum* margin (including profit and off site overheads) is:

Refer to Item 43 of Schedule 1 Annexure of the Work Order Offer

## 44 Contractor's Margin

## Mentioned in clauses 47 and 79

The *Contractor's Margin* (including profit and off site overheads) is:

Refer to Item 44 of Schedule 1 Annexure of the Work Order Offer

## 45 Amount of Prepayment

## Mentioned in clause 57.1.1

The amount of *Prepayment* is:

Refer to Item 45 of Schedule 1 Annexure of the Work Order Offer

## 46 Payment date and method

## **A - Date for Payment Claims**

## Mentioned in clause 58.1

The date for making the first Payment Claim is:

The date in the month for making subsequent *Payment Claims* is:

Refer to Item 46 of Schedule 1 Annexure of the Work Order Offer Refer to Item 46 of Schedule 1 Annexure of the Work Order Offer

## **B** - Method of payment

Mentioned in clause 58.2

*Milestones* for which payment will not be made until after they reach *Completion*:

Not applicable

## **47 Completion Amount**

Mentioned in clause 60

The Completion Amount is:

Refer to Item 47 of Schedule 1 Annexure of the Work Order Offer

The Completion Amount is payable after:

Refer to Item 47 of Schedule 1 Annexure of the Work Order Offer

(Completion of the whole of the Works/Completion of Milestone »)

## 48 Interest on late payments

Mentioned in clause 62

The rate of interest per annum is:

The rate prescribed by the Supreme Court Act 1935 (SA) in respect of judgement debts of the Supreme Court

## **Delay costs**

## 49 Delay costs and liquidated damages

Mentioned in clauses 34 & 51

## A1 - Delay costs for delay in access to the Site

The rate in item 49A1 applies only if the Principal fails to give initial access to the Site as required by clause 34. The rate does not apply where the Principal fails to give Site access for a *Milestone* by the required time, unless that *Milestone* is the first to proceed after the Contractor has established on the Site.

The rate per day for delay costs due to the Principal's failure to give the Contractor initial access to the Site in accordance with clause 34 is:

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

## A2 - Delay costs for delay other than in access to the Site

The rate or rates in item 49A2 apply when the rate in item 49A1 is not applicable, in accordance with clause 51.

The rate per day for delay costs payable when *Completion* of the whole of the Works is delayed is:

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

The rates per day for delay costs payable when there are delays to *Completion* of *Milestones\** are:

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

\*The rate for each Milestone is separate and distinct from the others.

## **B** - Liquidated damages

#### Mentioned in clauses 51.8 and 51.9

Do liquidated damages apply to this Contract? (Yes/No)

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

Refer to Item 49 of Schedule 1 Annexure of Work Order Offer

## **Engagement of Valuer**

## 50 Engagement of Valuer

## A - Engagement of Valuer

Mentioned in clause 35

Must a Valuer be engaged? (Yes/No)

#### **B** - Person to select the Valuer

Mentioned in clause 35

The person is: Not applicable

Telephone number: Not applicable

Facsimile number: Not applicable

No

## **C** - Litigation Threshold

Mentioned in clause 35

The threshold amount for litigation following a Valuer's determination is:

\$500,000.00

## **Expert Determination**

## 51 Time to refer Issue to Expert Determination

Mentioned in clause 70

The time within which either party may refer an *Issue* to *Expert Determination* is:

28 days after becoming entitled under clause 70.2

<sup>\*</sup>The rate for each Milestone is separate and distinct from the others.

## 52 Expert Determination representative

Mentioned in clause 71

The representative of the Principal for all of the purposes in clause 71, and under Schedule 5 (Expert Determination Procedure) is:

The Principal's senior executive shown in Contract Information item 7 until the Principal notifies otherwise

Office address: (for delivery by hand)

as shown in Contract Information item 7

Postal address: (for delivery by post)

as shown in Contract Information item 7

Facsimile number:

as shown in Contract Information item 7

e-mail address:

as shown in Contract Information item 7

## 53 Person to nominate an Expert

Mentioned in clause 71

The person is:

President of the Resolution Institute (South Australia)

(South Flustratia)

Telephone number:
Facsimile number:

1800 651 650 Not applicable

## 54 Threshold amount for litigation

Mentioned in clause 71

The threshold amount for litigation following an *Expert's* determination is:

\$500,000.00

## **Collaborative Governance Team**

## 55 Collaborative Governance Team reprehensive

Mentioned in clause 6.5

Are the Principal and Contractor required to establish a Collaborative Governance Team (CGT)? (Yes/No)

Refer to Item 55 of Schedule 1 Annexure of Work Order Offer

## **Information Management System**

## 56 Information Management System (IMS)

Mentioned in clause 11

Must an electronic Information Management System be used? (Yes/No) Refer to Item 56 of Schedule 1 Annexure of Work Order Offer

## **Major Infrastructure Project**

## 57 Major Infrastructure Project

Mentioned in clause 16.22, 16.30 and 79

Is the Project a Major Infrastructure Project?
(Yes/No)

Refer to Item 57 of Schedule 1 Annexure of Work Order Offer

## **MW21 Contract Information**

## **Authorised Person**

Mentioned in Clause 1.1

The Authorised Person is: Person occupying the position of:

Director, Contract Management

Office address: Level 8, 83 Pirie Street, Adelaide SA 5000

(for delivery by hand)

GPO Box 1533, Adelaide SA 5000

(for delivery by post)

Postal address:

e-mail address: Harold.Carn@sa.gov.au

The Principal may for any reason and at any time change the Authorised Person by giving notice in writing.

## **Purpose of the Works**

Mentioned in Clause 3.4

Refer to Work Order Offer The purpose of the Works is:

If no purpose is stated, then the purpose of the Works is as reasonably inferred from the Contract Documents.

#### **Milestones**

Mentioned in Clause 1.19

Milestone 1: Refer to Work Order Offer Milestone 2: Refer to Work Order Offer

> and all of the work and obligations under the Contract not included in any other

Milestone.

## **Post Completion Period**

Mentioned in Clause 1.22

The Post Completion Period, which starts when the work under the Contract reaches Completion,

Refer to Work Order Offer

If no time is stated, then no Post Completion Period applies.

[or]

The Post Completion Period, which starts when Milestone

Refer to Work Order Offer [insert] reaches Completion, is:

If no time is stated, then no Post Completion Period applies.

or

The Post Completion Periods for the Milestones are:

Milestone 1: » Refer to Work Order Offer » Refer to Work Order Offer Milestone 2: Milestone »: » Refer to Work Order Offer

If no time is stated for a Milestone, then no Post Completion Period applies to that Milestone.

## **Contract Price**

The Contract Price (which is inclusive of GST) at the Date of Contract:

Refer to Work Order Offer

The basis of payment is: (Lump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates)

Refer to Work Order Offer

## **Senior Executives**

Mentioned in Clause 1.32

The Principal's Senior Executive

Executive Director, Commercial and

Contract Management

Where specified, documents must be copied to the Principal's Senior Executive at the address or number shown here.

Office address:

Level 8, 83 Pirie Street, Adelaide SA 5000

(for delivery by hand)

GPO Box 1533, Adelaide SA 5000

(for delivery by post)

Postal address:

e-mail address: »Jane. Fitzgerald@sa.gov.au

The Principal may for any reason and at any time change its Senior Executive by giving notice in writing.

Mentioned in Clause 1.32

The Contractor's Senior

Executive is:

Refer to Work Order Offer

Where specified, documents must be copied to the Contractor's senior executive at the address or number shown here.

Office address:

(for delivery by hand)

Refer to Work Order Offer

Postal address: Refer to Work Order Offer

(for delivery by post)

e-mail address: Refer to Work Order Offer

The Contractor may for any reason and at any time change its Senior Executive by giving notice in writing.

## **Extent of Design**

## Mentioned in Clause 3.1

Must the Contractor carry out all design necessary in connection with the Works?

Must the Principal carry out all design necessary in connection with the Works?

Refer to Work Order Offer

Refer to Work Order Offer

Must the Contractor complete the design provided by the Principal?

Refer to Work Order Offer

## **Design Documents**

Mentioned in Clause 3.5

The time to submit the completed design is:

Refer to Work Order Offer

[or]

The time to submit the completed design is:

Refer to Work Order Offer

If no time is stated, then it is 7 Days before the completed design is to be used for construction.

## **Works and Public Liability Insurance**

Mentioned in Clause 5.2 and 5.3

Works Insurance
Insurance of the Works to be arranged by: the Principal

Minimum Cover is: The Contract Price

**Public Liability Insurance** 

Public liability insurance to be arranged by:

the Contractor

Minimum cover is:

Refer to Work Order Offer

Where the Principal is required to arrange insurance, information about those Principal arranged insurance policies are set out in Schedule 10.

## **Marine Liability and Professional Indemnity Insurance**

Mentioned in Clause 5.4

Marine Liability
Is a marine liability insurance

policy to be held by the Contractor and/or relevant

subcontractors?

Refer to Work Order Offer

Minimum Cover is: Refer to Work Order Offer

## **Professional Indemnity**

Is a professional indemnity insurance policy to be held by the Contractor and/or relevant

subcontractors?

Refer to Work Order Offer

Minimum Cover is: Refer to Work Order Offer

## **Site Access**

Mentioned in Clause 6.1

The time to give access to the

Site is:

Refer to Work Order Offer

or]

The times to give access to the Site are:

Milestone 1: » Refer to Work Order Offer Milestone 2: Refer to Work Order Offer Milestone »: » Refer to Work Order Offer

## **Date or time for Completion**

Mentioned in Clause 11.1

The date or time for Completion

Refer to Work Order Offer

[or]

The dates or times for Completion are:

Milestone 1:	Refer to Work Order Offer
Milestone 2:	Refer to Work Order Offer
Milestone »:	Refer to Work Order Offer

## **Delay Costs**

Mentioned in Clause 12.3

Refer to Work Order Offer The rate per day for delay costs is:

[or]

The rate per day for delay is: \$[insert], except for delay that occurs after

Completion of Milestone [insert] when the

rate per day is \$10.

## **Liquidated Damages**

Mentioned in Clause 12.6

The rate per day for liquidated damages is:

Refer to Work Order Offer

If no rate or "Nil" or "0" or "N/A" is stated, then common law damages apply.

[<mark>or</mark>]

The rate per day for liquidated damages is:

Milestone 1:	Refer to Work Order Offer
Milestone 2:	Refer to Work Order Offer
3.611	D 0 - W 1 0 1 000
Milestone »:	Refer to Work Order Offer

If no rate is stated for a Milestone, then common law damages apply for that Milestone.

## Payment Claims

Mentioned in Clause 13.1

Payment claims are to be made: monthly, on the first Business Day of each

calendar month.

--1--- C----1-ti---i----1-

A payment claim is to be made: when Completion is reached.

Payment claims are to be made:

when Completion of each Milestone is reached.

or

[or]

or

Payment claims are to be made:

For Milestones », », »: monthly, on the first Business Day of each

Yes

calendar month.

[or]

For Milestones », », »: [insert] % Complete;

[insert]% Complete; [insert]% Complete; and when Completion is reached.

Security

Mentioned in Clause 13.10

Is the Contractor required to provide a Completion Undertaking and Post Completion Undertaking?

[2% of the *Contract Price* (excluding GST) at the Date of Contract.]

The amount of the Completion Undertaking is?

The amount of the Post Completion Undertaking is?

[1% of the *Contract Price* (excluding GST) at the Date of Contract.]

A retention amount equal to 5% of the Contract Price.

Refer to Work Order Offer

## **Compliance with SA Government Guidelines**

## A - Work Health and Safety

Is the Contractor appointed as principal contractor?

Mentioned in Clause 4.13

## **B** – Industry Participation Policy

Is the Contractor required to implement an Industry Participation Plan?

Refer to Work Order Offer

Mentioned in Clause 1B

## **Contractor's Margin**

## A - Site Conditions

Margin on reasonable additional Direct Costs of dealing with adverse Site Conditions.

10%

Mentioned in Clause 7.3(a)

## **B** – Variations

Margin on Variation involving additional work.

10%

Mentioned in Clause 9.4

## **C** - Suspension

Margin on costs of suspension.

10%

Mentioned in Clause 10.3(b)

## **D** - Provisional Sum

Margin on Provisional Sum.

Refer to Work Order Offer

Mentioned in Clause 13.9(b)

## **Contractor's Representative**

Mentioned in Clause 1.8

The Contractor's Representative is:

Office address: (for delivery by hand) Refer to Work Order Offer

Refer to Work Order Offer

Postal address:

(for delivery by post)

Refer to Work Order Offer

**PSACB Application Response** 

The Contractor may for any reason and at any time change the Contractor's Representative by giving notice in writing.

## 20. Requirements for Commonwealth Funded projects

# Australian Government Building and Construction WHS Accreditation Scheme

Mentioned in clause 22

Is the Contractor required to maintain accreditation under the Australian Government Building and Construction WHS Accreditation Scheme?

Refer to Work Order Offer

## ATTACHMENT 2 - MASTER SPECIFICATION

All DIT master specifications included in the links below:

## **Project Controls**

https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Project\_Controls\_Roads\_

 $\underline{https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Roads}$ 

**Structures** 

https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Structures

## **APPENDIX 2 – WORK ORDER REQUEST EXAMPLE**

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB) Kne

Revision: 5

Version: December 2024 Page 18 of 19



# Work Order Request Contract Documents

XXCXXX Contract Title

\*These Contract Documents will form part of the Contract if preferred.

Revision No.

## OFFICIAL: Sensitive.

## SCHEDULE CHECKLIST FOR WORK ORDER REQUEST

## **XXCXXX Contract Title**

For each item please tick the box to indicate that the Schedule has been completed in accordance with Conditions of Tendering Annexure A and included with your tender submission. The Department's Conditions of Tendering are available at: <a href="https://www.dit.sa.gov.au/contractor\_documents/request\_for\_tender\_templates2">https://www.dit.sa.gov.au/contractor\_documents/request\_for\_tender\_templates2</a>

The following Contract Schedules MUST be submitted in Excel format and may also be provided in PDF format

Schedule No.	Title	
	Contract Information	
S7A	Rise & Fall Content Factors	
S16	Documents	
S17	Relevant Department Master Specification	
S18	Tender Form & Declaration	
S19	Schedule of Quantities and Prices - Site Summary	
S19.1	Site 1: Road Number Road Name, Description, Maintenance Markers	
S19.2	Site 2: Road Number Road Name, Description, Maintenance Markers	
S19.3	Site 3: Road Number Road Name, Description, Maintenance Markers	
S20	Schedule of Delay Costs	
S21	Schedule of Rates for Variations	
S22	Schedule of Rates for Dayworks	
S23	Published List Selling Price for Bituminous Products	
S24	Working Times	
S25	Key Contractor's Personnel	
S26	Industry Participation Plan*	
S27	Approach to Task	
S28	Approach to Design	

Tenderer's signature Date DIT XXCXXX Page 3

#### **CONTRACT INFORMATION**

To be read in conjunction with the GC21 General Conditions of Contract (December 2024 Version). Contract Information are not to be amended by the Tenderer except for Items 8, 9, 10, and 11.

Item 1 **Contract Name** 

The Contract name is: The Contract number is: Contract Title Contract Number

Item 2 Site

The Site is:

Item 3 Description of the Works

The Works are:

Describe works and

Refer to the Scope of Contract at PO1 of the other contract documents and Principal's

Documents list of the Work Order Offer

Principal Item 4

The Principal is:

The Commissioner of Highways, a body corporate established pursuant to the Highways Act

1926 (SA) of Level 9, 83 Pirie Street, Adelaide SA 5000.

ABN: 45 751 448 902

Item 5 **Principal's Authorised Person** 

The Principal's Authorised Person is:

Director, Contract Management

Notices to the Principal Item 6

> Office address: Postal address: e-mail address

Level 8, 83 Pirie Street, Adelaide SA 5000 GPO Box 1533, Adelaide SA 5001

harold.carn@sa.gov.au

Item 7 **Principal's Senior Executive** 

The Principal's senior executive is: Office address:

Postal address: e-mail address:

The Contractor is:

Executive Director, Commercial and Contract Management

Level 8, 83 Pirie Street, Adelaide SA 5000 GPO Box 1533, Adelaide SA 5001

iane.fitzgerald@sa.gov.au

Contractor Item 8

[Contractor to insert details] ACN [Contractor to insert details] ABN [Contractor to insert details]

Item 9 The Contractor's Authorised Person

The Contractor's Authorised Person is:

[Contractor to insert details]

Item 10 Notices to the Contractor

Office address: Postal address: e-mail address:

e-mail address:

[Contractor to insert details]

[Contractor to insert details] [Contractor to insert details]

Item 11 Contractor's senior executive

The Contractor's senior executive is: Office address: Postal address:

[Contractor to insert details] [Contractor to insert details] [Contractor to insert details] [Contractor to insert details]

**Date of Contract** 

The date of Contract is:

Date of the Letter of Award.

Item 13 Times for Site access and Completion

Description:

Whole of the Works ([Note: where milestones are required please consult the Commercial Advisory (Pre-Contract) Team) Within [Insert Number] days of release of the precommencement Hold Points

Time period for giving site access: Time period for Completion: Within [Insert Number] weeks from the Date of Contract.

Item 14 Fees, charges and approvals

> Approvals that have been obtained or will be obtained, and fees and charges that have been paid List approvals that have been obtained or will be obtained by the Principal or will be paid, by the Principal are:

e.g. Vegetation removal, aboriginal heritage, land acquisition, service relocation

Item 15 A - Work Health and Safety (WHS)

Is the Contractor required to implement a Corporate WHS safety management system

acceptable to the Principal? (Yes/No)

Yes

Is the Contractor required to submit a WHS Management Plan in accordance with the WHS

Regulations 2012 (SA) (Yes/No)

If required, the WHS Management Plan must be provided:

Not less than 28 days before starting work on the Site

B - Quality Management

Is the Contractor required to implement a certified Quality Management System? (Yes/No) Is the Contractor required to submit a Quality Management Plan? (Yes/No)

Yes Yes

If required, the Quality Management Plan must be provided:

Not less than 28 days before starting work on the Site.

C - Environmental Management

Is the Contractor required to implement an accredited Environmental Management System? (Yes/No)

Is the Contractor required to submit an Environmental Management Plan? (Yes/No)

If required, the Environmental Management Plan must be provided:

Not less than 28 days before starting work on the Site.

Yes/No

Yes

Yes

D - Industry Participation Plan

Is the Contractor required to implement an Industry Participation Plan? (Yes/No) Yes

Item 16 **Requirements for Commonwealth Funded projects** 

Australian Government Building and Construction WHS Accreditation Scheme

Is the Contractor required to maintain accreditation under the Australian Government Building

and Construction WHS Accreditation Scheme?

**Principal Contractor** Item 17

Is the Contractor appointed as principal contractor?

Item 18 Working hours and working days

Working hours and working days are:

To comply with Statutory Requirements and the following agreed working hours and working days: Refer to Schedule 24 - Working Times of the Work Order Offer

Item 19 Not Used

Item 20 **Proportionate Liability** 

Is proportionate liability excluded from the Contract? (Yes/No)

Item 21 **Works Insurance** 

> The party responsible for effecting Works insurance is: The Principal, refer to Schedule 10 - Principal Arranged Insurances

Minimum cover is: The Contract Price

Period of cover is: As set out in Schedule 10 - Principal Arranged Insurances

Item 22 **Public Liability Insurance** 

> The party responsible for effecting public liability insurance is: the Contractor

Minimum cover is: \$20,000,000 per occurrence (and in the aggregate for Products Liability in any one policy period)

Period of cover is: until issue of the Final Payment Schedule

Item 23 Workers compensation insurance

Minimum cover is: as required by law

Period of cover is: until issue of the Final Payment Schedule

**Professional Indemnity Insurance** Item 24

Yes/No Is a professional indemnity insurance policy to be held by the Contractor? (Yes/No)

\$5,000,000 if the Contract Price is \$5,000,000 or less

\$10,000,000 if the Contract Price is greater than \$5,000,000 but equal to or less than 10,000,000. \$20,000,000 if the Contract Price is greater than \$10,000,000.

Nil

Minimum cover is:

and in any case, the above amount is per occurrence and in aggregate

To be held for a minimum of six (6) years after Completion of the Whole of the Works

Period of cover is:

Marine liability insurance Item 25

Minimum cover is: Nil Period of cover is: None

Item 26 Other Contract Documents

Item 27

Work Order - comprising Work Order Request sent by the Principal to the Contractor, and Work

Other Contract Documents (not listed in clause 7) are: Order Offer sent by the Contractor to the Principal. Letter of Award.

The number of copies of the Principal's Documents to be provided to the Contractor is: 1 electronic copy

Item 28 **Copies of Contractor's Documents** 

Copies of Principal's Documents

The number of copies of the Contractor's Documents to be provided to the Principal is: 1 electronic copy in a format acceptable to the Principal

Item 29 Inclusion of consistent requirements in Subcontracts

The Subcontract value requiring inclusion of the provisions set out in Schedule 9 (Subcontract

\$200,000 requirements) is:

Item 30 **Payment period for Subcontracts** 15 days The maximum period before payment, is:

Item 31 **Preferred Subcontractors** The Preferred Subcontractors referred to in clause 29 are: Not applicable

Item 32 **Subcontractor's Warranty** 

Trades or areas of work requiring a Subcontractor's warranty are: Not applicable

Item 33 **Completion Undertaking** 

The amount of the Completion Undertaking is: 2% of the Contract Price (GST Exclusive) at the Date of Contract

Post-Completion Undertaking Item 34

> The Amount of Post-Completion Undertaking is: 1% of the Contract Price (GST Exclusive) at the Date of Contract

Item 35 **Return of Post-Completion Undertaking** 

12 Months [Please consult PM and CM] The period at the end of which the Post-Completion Undertaking must be returned is: Item 36 A - Documents not guaranteed for completeness List documents where appropriate and refer to the specific item in Schedule 16. Documents not guaranteed for completeness are: (E.g. P02.01 Contamination Report) B - Documents not guaranteed for accuracy, quality or completeness List documents where appropriate and refer to the specific item in Schedule 16. Documents not guaranteed for accuracy, quality or completeness are: (E.g. P02.01 Contamination Report) Item 37 Site Conditions Yes, except for: Is the Contractor to bear the full risk, including cost and time implications, of encountering and dealing with materially adverse Site Conditions other than carrying out Variations instructed by [Please consult Contract Management as to the wording of these site conditions that are the Principal? (Yes/No) Item 38 A - Design by the Contractor Must the Contractor carry out all design necessary in connection with the Works? (clause 39.1.1): No, except for design works identified to be undertaken by the Contractor in Contract (e.g. B - Design by the Principal Yes, except for design works identified to be undertaken by the Contractor in Contract (e.g. temporary works etc.) Must the Principal carry out all design necessary in connection with the Works? (clause 39.1.3): OR No C - Contractor to complete Design provided by the Principal Must the Contractor complete the design provided by the Principal? (clause 39.1.2): Yes / No (note: 'No' if one of Item 38A or Item 38B are 'Yes') D - National Construction Code Does the National Construction Code apply? Item 39 Novation Will there be a novation of the Principal's Novated Consultant to the Contractor? Not applicable Name of Novated Consultant? Principal's Novated Consultant: Not applicable Contract Price at the Date of Contract Item 40 The Contract Price which is inclusive of GST) at the Date of Contract is: Refer to the Tender Form of the Work Order Offer **Basis of Payment** [Lump sum or Schedule of Rates or Lump sum with Rate Items] The basis of payment is: Item 41 Rise or fall adjustments Yes / No Are rise or fall adjustments applicable to the Contract (excluding Daywork)? (Yes/No) Item 42 **Provisional Sums** Provisional Sum items referred to in clause 55.4 are: Not applicable or list the Provisional Sum and reference. Item 43 Provisional Sum margin The Provisional Sum margin (including profit and off site overheads) is: Nil or Insert Item 44 Contractor's Margin Insert percentage The Contractor's Margin (including profit and off site overheads) is: Item 45 Amount of Prepayment The amount of Prepayment is: A - Date for Payment Claims The later of the last Business Day of the first month following the Date of Contract and the date The date for making the first Payment Claim is: that the Contractor has complied with clause 33.1. The date in the month for making subsequent Payment Claims is: The last Business Day prior to the end of each calendar month. B - Method of payment Milestones for which payment will not be made until after they reach Completion: Not applicable

#### Item 46

Item 47 **Completion Amount** 

The Completion Amount is:

The rate of interest per annum is:

The Completion Amount is payable after:

Item 48 Interest on late payments

Item 49 A1 - Delay costs for the delay in access to the Site

The rate per day for delay costs due to the Principal's failure to give the Contractor initial access to the Site in accordance with clause 34 is:

A2 - Delay costs for delay other than in access to the Site

The rate per day for delay costs payable when Completion of the Whole of the Works is delayed

The rates per day for delay costs payable when there are delays to Completion of Milestones \*

B - Liquidated Damages

Do liquidated damages apply to this Contract?

The rate specified at item A1 of Table 20.1 in Schedule 20 – Schedule of Delay Costs

The rate prescribed by the Supreme Court Act 1935 (SA) in respect of judgment debts of the

The rate specified at item A2 of Table 20.1 in Schedule 20 – Schedule of Delay Costs

Not applicable

Nil

Not applicable

Supreme Court of South Australia.

Not applicable

No

The rate per day for liquidated damages for the whole of the Works only applies where there are

no rates specified for Milestones and is:

insert \$LD (this figure must be supported - saved on Knet)

The Principal's senior executive shown in Contract Information item 7 until the Principal notifies

The rates per day for liquidated damages for Milestones\* are:

Item 50 A - Engagement of Valuer

Must be a Valuer be engaged? (Yes/No)

B - Person to select the Valuer

The person is: Not applicable Telephone number: Not applicable Facsimile number: Not applicable

C - Litigation Threshold

The threshold amount for litigation following a Valuer's determination is: \$500,000.00

Item 51 Time to refer Issue to Expert Determination

The time within which either party may refer an Issue to Expert Determination is: 28 days after becoming entitled under clause 70.2.

Item 52 **Expert Determination representative** 

The representative of the Principal for all of the purposes in clause 71, and under Schedule 5  $\,$ 

(Expert Determination Procedure) is:

Office address: as shown in Contract Information item 7 Postal address: as shown in Contract Information item 7 e-mail address: as shown in Contract Information item 7

Item 53 Person to nominate an Expert

President of the Resolution Institute (South Australia) The person is: Telephone number: 1800 651 650 Facsimile number: Not applicable

Threshold amount for litigation Item 54

The threshold amount for litigation following an Expert's determination is: \$500,000.00

Item 55 **Collaborative Governance Team** 

Are the Principal and Contractor required to establish a Collaborative Governance Team (CGT)?

(Yes/No)

Yes (If "No" approval must be sort by Director, Procurement Services)

Information Management Systems (IMS) Item 56

Must an electronic Information Management System be used? (Yes/No)

Item 57 Major Infrastructure Project

No (if the Contract Value is over \$50 million (incl. GST), then "Yes") Is the Project a Major Infrastructure Project? (Yes/No)

OFFICIAL: Sensitive

## SCHEDULE 7A RISE AND FALL CONTENT FACTORS

## XXCXXX Contract Title

COMPONENT OF WORKS	CONTENT FACTOR					
COMPONENT OF WORKS	C <sub>L</sub>	C <sub>F</sub>	C <sub>M</sub>	C <sub>P</sub>	Св	
For items of work which include bituminous products (i.e. spray seals and asphalt).						
For all other items of work (i.e. items which do not include bituminous products).					-	

 $Content factors for bituminous works \ must \ add \ up \ to \ 1.00 \ and \ Content \ Factors for \ non-bituminous works \ must \ add \ up \ to \ 1.00$ 

For the purpose of this clause only, the following items in the Schedule of Prices or Schedule of rates are deemed to include bituminous products:

S/R Items within Item J 'Bituminous Surfacing / Asphalt' and Item K 'Secondary Pavements' where these contain spray seals, asphalt and bituminous products

Tenderer's signature Date DIT XXCXXX Page 8

#### **SCHEDULE 16 - DOCUMENTS**

#### XXCXXX Contract Title

Refer to clause 7 of the GC21 General Conditions of Contract (December 2024 Version) - Other Contract Documents and Principal's Documents.											
	Title				Document Type	Discipline	Status (e.g., IFC, Final etc.)	KNet No. Hyperlink	DIT Comments	Author Company	DIT Knet File name
С	Other Contract Documents										
C01.01											
C01.02											
C01.03											
Р	Principal Documents										
P01	Scope of Contract			Document Revision:							
P01.01				ricvision.							
P02	Appendices			Document Revision:							
P02.01											
P02.02											
P02.03											
P02.04											
P02.05											
P02.06 P02.07											
P02.08											
P02.09											
P02.10											
P03	Design Drawings	Drawing Number	Sheet Number(s)	Amendment Number							
P03.01			114111201(0)	Trainibo.							
P03.02											
P03.03											
P03.04											
P03.05											
D04	Other (add as required)										
<b>P04</b> P04.01	Other (add as required)										
P04.01											
F U41.U2											

## SCHEDULE 17 RELEVANT DEPARTMENT MASTER SPECIFICATION

## **XXCXXX Contract Title**

Marine (MA) <a href="https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Marine">https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Public\_Realm</a>
Project Controls (PC <a href="https://dit.sa.gov.au/contractor\_documents/masterspecifications/Project\_Controls">https://dit.sa.gov.au/contractor\_documents/masterspecifications/Project\_Controls</a>
Roads (RD) <a href="https://dit.sa.gov.au/contractor\_documents/masterspecifications/Roads">https://dit.sa.gov.au/contractor\_documents/masterspecifications/Roads</a>
Structures (ST) <a href="https://dit.sa.gov.au/contractor\_documents/masterspecifications/Structures">https://dit.sa.gov.au/contractor\_documents/masterspecifications/Structures</a>
Railway (RW) <a href="https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Railway">https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Railway</a>

Part No.	Title	Applicable				
MARINE		, ,,				
MA-DR-C1	Dredging Works					
MA-JW-C1	Timber Jetty Works					
PROJECT CONTROLS						
PC-CN1	Testing and Commissioning					
PC-CN2	Asset Handover					
PC-CN3	Construction Management					
PC-CN4	Temporary Works					
PC-CS1	Community Engagement and Media Management					
PC-CS2	Local Business Support					
PC-EDM1	Design Management					
PC-EDM2	Safety Management In Design					
PC-EDM3	Independent Design Certification					
PC-EDM4	Construction Verification					
PC-EDM5	Digital Engineering					
PC-EDM6	Systems Engineering Management					
PC-ENV1	Environmental Management					
PC-ENV2	Environmental Protection Requirements					
PC-ENV3	Environmental Design					
PC-ENV4	Noise Assessment, Treatment Design, and Implementation					
PC-H1	Aboriginal Heritage and Native Title					
PC-H2	Non-Aboriginal Heritage					
PC-IN1	Interpretation					
PC-IN2	Glossary of Terms					
PC-PM1 to 5	Project Management					
PC-QA1	Quality Management Requirements					
PC-QA2	Quality Management Requirements For Major Projects					
PC-SC1	Site Contamination					
PC-SI1	Site Surveys					
PC-SI2	Site Investigations					
PC-SI3	Condition Surveys					
PC-SI4	GIS & Aerial and Remote Data Capture Standard					

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PC-SI5	Engineering Survey	
PC-SI6	Hazardous Materials Survey and Assessment	
PC-SM1	Traffic and Pedestrian Management	
PC-SM2	Site and Access Management	
PC-ST1	Sustainability in Design	
PC-ST2	Sustainability in Construction	
PC-US1 PC-WHS1	Utility Services Work Health and Sefety	
TRANSPORT PLANI	Work Health and Safety NING PARTS	
PC-PL1	Framework For Planning Studies	
PC-PL2	Planning Investigations	
PC-PL3	Concept Design Development	
PC-PL4	Constructability Assessments	
PC-PL5	Cost Estimation	
PUBLIC REALM		
PR-AC-D1	Aboriginal Cultural Expression and Engagement in Infrastructure Design	
PR-LS-C10	Installation and Maintenance of Water Sensitive Urban Design	
PR-LS-C11	Tree and Shrub Pruning and Removal	
PR-LS-C12	Tree Hollow Relocation and Habitat Creation	
PR-LS-C2	Planting	
PR-LS-C3	Lawn Establishment	
PR-LS-C4	Tree and Palm Transplanting	
PR-LS-C6	Hydroseeding and Direct Seeding	
PR-LS-C7	Topsoil and Earthworks	
PR-LS-C8	Plant Rescue and Maintenance	
PR-LS-C9	Irrigation	
PR-LS-D1	Landscape and Urban Design	
PR-LS-D2	Landscape Design	
PR-LS-M1	Maintenance of Plants	
PR-LS-M2	Maintenance of Hydroseeded and Direct Seeded Areas	
PR-LS-M3	Maintenance of Lawns	
PR-LS-M5	Bushcare	
PR-LS-S1	Supply of Plant Material	
PR-MA-M1	Herbaceous and Woody Weed Control	

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PR-PF-D1	Designing For Accessibility	
RAILWAY	Designing For Accessibility	
PC-RW10	Railways Management Planning	
PC-RW20	System Safety and Assurance	
PC-RW30	Design	
PC-RW40	Track Access	
PC-RW50	Inspection Testing and Commissioning	
PC-RW60	Asset Management Handover	
RW-COM-D1	Communications and Electronics	
RW-EE-D1	Electrical Systems and Traction Power	
RW-OHW-D1	Overhead Wiring	
RW-RAMS-D1	Reliability Availability Maintainability and Supportability	
RW-SE-D1	Signalling	
RW-ST-D1	Structures	
RW-STS-D1	Stations	
RW-TC-D1	Track and Civil Design and Construction	
ROADS	County and Installation of Charl Boom Cofety Berning Costons	
RD-BF-C1	Supply and Installation of Steel Beam Safety Barrier Systems	
RD-BF-C2	Wire Rope Safety Barrier Systems	
RD-BF-C3	Construction of Concrete Safety Barrier Systems	
RD-BF-C4	Supply and Installation of Fencing and Gates	
RD-BF-D1	Design of Roadside Safety Barriers	
RD-DK-C1	Installation of Stormwater Drainage	
RD-DK-C2	Kerbing	
RD-DK-D1	Road Drainage Design	
RD-DK-S1	Supply of Pipes and Culverts	
RD-GM-D1	Road Design	
RD-GM-D2	Road Safety Audits	
RD-GM-D4	Traffic Analysis and Modelling	
RD-LM-C1	Application of Pavement Marking	
RD-LM-C2	Supply and Application of Audio Tactile	
RD-LM-C3	Installation of Guide Posts and Delineators	
RD-LM-C4	Sign Installation	
RD-LM-D1	Traffic Control Device Design	

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# OFFICIAL

RD-LM-S1	Materials For Pavement Marking	
RD-LM-S2	Supply of Signs	
RD-LM-S3	Supply of Guide Posts and Delineators	
RD-PT-D1  BITUMINOUS PROI	Bus Infrastructure Design	
RD-BP-C1	Cold Planing	
	-	
RD-BP-C2	Construction of Foamed Bitumen Stabilised Pavement	
RD-BP-C3	Construction of Asphalt Pavement	
RD-BP-C4	Application of Thin Asphalt Surfacings	
RD-BP-C6	Slurry Microsurfacing of Pavements	
RD-BP-C8	Application of Pavement Crack Sealant	
RD-BP-C9	Texture Restoration of Sealed Road	
RD-BP-D2	Design and Application of Sprayed Bituminous Surfacing	
RD-BP-D4	Surface Characteristics of Flexible Pavements	
RD-BP-S1	Supply of Bituminous Material	
RD-BP-S2	Supply of Asphalt	
RD-BP-S3	Supply of Pavement Crack Sealant	
RD-BP-S4	Supply of Cold Mix Asphalt	
EARTINA/ORYG 4111		
EAKIHWUKKS ANI	D PAVEMENTS	
RD-EW-C1	D PAVEMENTS  Earthworks	
RD-EW-C1	Earthworks	
RD-EW-C1	Earthworks  Trench Excavation and Backfill	0
RD-EW-C1 RD-EW-C2 RD-EW-C3	Earthworks  Trench Excavation and Backfill  Boring	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2 RD-PV-C3	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders  In Situ Pavement Stablisation	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2 RD-PV-C3 RD-PV-C4	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders  In Situ Pavement Stablisation  Construction of Shared Path Pavements	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2 RD-PV-C3 RD-PV-C4 RD-PV-C4 RD-PV-C5	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders  In Situ Pavement Stablisation  Construction of Shared Path Pavements  Construction of Minor Pavements	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2 RD-PV-C3 RD-PV-C4 RD-PV-C5 RD-PV-C6	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders  In Situ Pavement Stablisation  Construction of Shared Path Pavements  Construction of Minor Pavements  Reinstatement of Existing Pavements	
RD-EW-C1 RD-EW-C2 RD-EW-C3 RD-EW-C4 RD-EW-D1 RD-EW-S1 RD-PV-C1 RD-PV-C2 RD-PV-C3 RD-PV-C4 RD-PV-C5 RD-PV-C6 RD-PV-C7	Earthworks  Trench Excavation and Backfill  Boring  Controlled Low Strength Material  Design of Earthworks For Roads  Supply of Geotextiles  Construction of Unstablised Granular Pavements  Construction of Shoulders  In Situ Pavement Stablisation  Construction of Shared Path Pavements  Construction of Minor Pavements  Reinstatement of Existing Pavements  Permeable Paving For Trees	

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# **OFFICIAL**

RD-PV-S1	Supply of Pavement Materials	
RD-PV-S2	Plant Mixed Stablised Pavement	
ELECTRICAL and IT	s	
RD-EL-C1	Installation of Road Lighting	
RD-EL-C2	Installation of Traffic Signals	
RD-EL-C3	Supply and Installation of Conduits and Pits	
RD-EL-C4	Installation of Safety Cameras at Traffic Signals and Mid Block Sites	
RD-EL-D1	Design of Road Lighting	
RD-EL-D2	Traffic Signal Design	
RD-EL-D3	Conduit Design For Road Lighting, Traffic Signals and ITS	
RD-EL-S1	Supply of Luminaries and Lighting Components	
RD-EL-S3	Supply of LED Traffic Signal Lanterns	
RD-ITS-C1	Installation and Integration of ITS Equipment	
RD-ITS-C2	Mains Power Supplies For Roadside Traffic Management Equipment	
RD-ITS-C3	Telecommunications Cabling	
RD-ITS-D1	Design of Intelligent Transport Systems (ITS)	
RD-ITS-D2	Trafficnet Infrastructure Buildings	
RD-ITS-D3	Ramp Metering Systems	
RD-ITS-S1	General Requirements For The Supply of ITS Equipment	
RD-ITS-S2	Roadside Electrical Switchboards	
RD-ITS-S3	ITS Enclosures	
RD-ITS-S4	Supply of Electronic Signs	
RD-ITS-S5	Imaging Equipment	
RD-ITS-S6	Field Processors	
RD-ITS-S7	Supply and Installation of Motorway Vehicle Detection Systems	
STRUCTURES		
ST-BF-C1	Bearings	
ST-BF-C2	Deck Expansion Joints	
ST-BF-C4	Bridgework Sundries	
ST-PI-C1	Driven Piles	
ST-PI-C2	Cast-in-place Concrete Piles	
ST-PI-C3	Continuous Flight Auger (CFA) Piles	
ST-PI-C4	Diaphragm Walls	
ST-RE-C1	Reinforced Soil Structures	

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# **OFFICIAL**

ST-RE-C2	Soil Nailing	
ST-RE-C3	Supply and Installation of Gabions, Reno Mattresses and Mesh Panels	
ST-RE-D1	Design of Reinforced Soil Structures	
ST-RE-D2	Design of Retaining Walls	
ST-SC-C1	Pre-tensioned Concrete	
ST-SC-C2	Post Tensioned Concrete	
ST-SC-C3	Fibre Reinforced Polymer Composite Strengthening of Concrete Structures	
ST-SC-C4	Sprayed Concrete Work	
ST-SC-C6	Formwork	
ST-SC-C7	Placement of Concrete	
ST-SC-S1	Normal Class Concrete	
ST-SC-S2	Geopolymer Concrete	
ST-SC-S3	Precast Concrete Units	
ST-SC-S4	Low Pressure Steam Curing of Precast Units	
ST-SC-S5	Heat Accelerated Curing	
ST-SC-S6	Steel Reinforcement	
ST-SC-S7	Supply of Concrete	
ST-SD-D1	Design of Structures	
ST-SP-C1	Earthworks For Structures	
ST-SS-C1	Transportation and Erection of Structural Members	
ST-SS-S1	Fabrication of Structural Steelwork	
ST-SS-S2	Protective Treatment of Structural Steelwork	
ST-SS-S3	Galvanizing	

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# SCHEDULE 18 TENDER FORM & DECLARATION - MAJOR WORKS

Tenderer to complete using BLOCK LETTERS

TO THE DIRECTOR:

.....

# **XXCXXX Contract Title**

I/We the undersigned, do hereby tender to perform the above mentioned works in accordance with the Request for Tender Documents.

Tendered Sum (exclusi	ve of GST)			\$0.00	
GST amount			\$0.00	\$0.00	
Tendered Sum (inclusiv	ve of GST)			\$0.00	
I/We acknowledge the	receipt of addenda	a numbered:	Х		
	(Tenderer t	o insert number of adden	da received	')	
Tenderers Name:	X				
ABN:	X	ACN:	X		
Address:	X				
Telephone Number:	X	Mobile:	X		
Contact E-mail Addres	s: <u>X</u>				
I/We declare that this t		ent and that there has not ement process.	t been any ι	ınlawful collusion with aı	ny
Signature of Tenderer:		Nan	ne:	X	
Position in Company:	Χ				
Signature of Witness:		Name of Witne	ss:	X	
Dated the:	X	day of:	X	20 X	
	TE	ENDER FORM (CONTINU	<u>ED)</u>		
	DECLARATION	IN RELATION TO UNLAW		<u>JSION</u>	
		XXCXXX Contract Title			
I X of X					
[insert name and addre	ess of declarantl				
do hereby declare as t					
I hold the position of:	X				
Within:	X				
	•				

(Tenderer) and that I am authorised to provide this declaration on its behalf.

- 2 I confirm that the tender submitted by the Tenderer is independent and that there has not been any unlawful collusion with any other tenderer or party in connection with this tender process. This clause does not apply to any formal joint venture contractual arrangement entered into between the Tenderer and any other person(s), the details of which have been provided to the Principal as part of the tender submitted by the Tenderer.
- <sup>3</sup> To the best of my knowledge, I declare that I am not aware of any matters which might give rise to a real or perceived conflict of interest, except for any matter identified as such which has been submitted with my tender. [Insert "NONE" in the table if there are no conflict of interests OR complete the table, below]

Name	Describe Real/Perceived Conflict of Interest
X	X

<sup>4</sup> I confirm that the total value of the goods and/or services to be provided by **subcontractors**, to the extent known at the time of making this declaration, is: \$0 (including GST)

[Insert "NIL" if no subcontractors OR add amount and complete the table, below]

5 Where subcontract work comprises more than 25% of the value of this tender, the Tenderer is required to a complete list of all **subcontractors**, the value, and the nature of the work to be provided under each subcontract, to the extent known at the time of making this declaration. The total provided must be equal to that provided for Clause 4 above. Where this value is 25% or less Tenderers are required to enter 'Nil' within the 'Value of Work' column.

Subcontractor Name	Description Of Work	Value Of Work (Including GST)
X	X	\$0
X	X	<i>\$0</i>
X	X	\$0
X	X	\$0
	TOTAL	\$0

- 6 I understand that if any part of this declaration is found to be false the Principal reserves the right (regardless of any subsequent dealings) to:
  - · terminate negotiations with the Tenderer;
  - · terminate consideration of the Tenderer's bid; and
  - terminate any contract between the Tenderer and the Principal in relation to the Project without any obligation on the Principal to make any payment to the Tenderer.

Signature:	Date:	X
Note: If the tender is submitted jointly with another party or par	ties, each party must sign thi	s declaration.

#### **DIT TENDER SCHEDULE RULES & STANDARD WORK BREAKDOWN STRUCTURE**

#### **TENDER PRICING SCHEDULE RULES**

Tenderers are responsible for the completion of all schedules and ensuring the accuracy of any applicable formulas, the following rules are to be adhered to:

Alphabetic characters used at heading levels must be retained (e.g. item P must remain as 'Traffic Signage, Signals and Controls'), where no relevant items form part of the work headings are to be retained and N/A entered

Numbering of individual items must commence using the assigned alphabetic character for that section and be sequential throughout the schedule, e.g. C1, C2, C3

Line items detailed within the example schedule are considered as the minimum level to which quantities and pricing is to be provided, these example items are not to be combined. Additional line items are to be provided where the schedule requests/as appropriate in these AND in other sections generally.

The 'Unit of Measurement' provided in the schedule template must remain where that schedule item is used. For additional line items entries the unit of measurement applied must be appropriate and as is typically adopted by industry. 'Item' is not acceptable where there is another applicable Unit of Measurement.

The total of the priced items has to include everything necessary to provide all works under the contract and ensure that all formulas applied within this document to arrive at their final tendered amount are correct.

#### **DIT WORK BREAKDOWN STRUCTURE**

# Item No. Description

#### <u>A</u> <u>ENVIRONMENTAL WORKS</u>

# Temporary Environmental Works

Temporary environmental works during construction, such as retention, detention and sedimentation ponds, monitoring, screens, filtering, maintenance of same during construction, protection, preservation & monitoring of Aboriginal sites, protection of flora, fire prevention, waste disposal, dieback and dust control

Noise, vibration, water quality monitoring etc

Pre and post construction property inspections

#### Permanent Environmental Works

Permanent environmental works, such as retention, detention and sedimentation ponds, monitoring, screens, filtering etc. and maintenance of same for the stipulated contract period.

Provision of fauna habitats, underpasses, overpasses, culverts/tunnels, rope crossings, poles and the like

Noise Barriers, temporary and permanent, including specific noise walls, attenuation measures such as mounds, tree planting where noise attenuation is required.

Property adjustment works, e.g. noise attenuation measures (double glazing, additional insulation etc.)

#### **B** TRAFFIC MANAGEMENT

#### **Traffic Management**

Temporary traffic management measures including temporary signage (fixed and variable), temporary lighting (unless poles and bases apply, then include within Lighting), personnel and barriers for protection of public, traffic and property

### <u>C</u> <u>SERVICES</u>

Temporary or permanent diversion, relocation or protection of public utilities including (but not limited to) power, communications, gas, water and sewer

Relocation of major public utility infrastructure, such as substations, pump stations, and other fixed utility assets to enable the main works to proceed

•••••	••••••		
Tenderer's signature	Date	DIT XXCXXX	Page 18

Provision of new service runs, associated valves, chambers etc

Note: Each service type is to be separately detailed, sized and priced

#### D EARTHWORKS AND DEMOLITION

Earthworks includes the formation of the required lines and levels of the new works, such as:

- Establishment & reinstatement of embankment or road material borrow pits
- Site preparation and clearing, top soil removal, demolition or adjustment of structures (above and below ground, acquired properties etc.), decontamination
- Dewatering
- Excavation to sub-grade levels
- Filling, including cut to fill and imported filling to sub-grade levels
- Ground improvement, including stabilisation and pre-loading activities
- Replacement of unsuitable material
- Foundation treatment
- Formation of batters and trimming
- Spoil handling, storage and disposal activities, including appropriate licences if required
- Associated testing, e.g. material, compaction, contamination etc.

#### E RETAINING WALLS

Includes all types of retaining walls, such as:

- Demolition and/or adjustment of existing retaining walls
- Reinforced earth and soil nailed walls, including detailed excavation and backfill
- Cantilever walls, including detailed excavation
- Crib or interlocking walls, including detailed excavation and backfill
- Post and panel walls, including all excavation, structural elements and finishing treatments
- Diaphragm walls, including excavation activities and structural elements
- Shotcrete including all preparation, reinforcement, placement etc

Note: Excavation includes the costs of spoil disposal for the respective element

Note: Where the above items relate specifically to a bridge structure they are to be included within section G

#### F DRAINAGE

Includes the following items of work

- Removal or making safe redundant drainage items
- Box and pipe culverts, including excavation, bedding and backfill, compaction testing
- New or existing altered structural elements (pits, junctions, headwalls etc.) and gabion matting/outfall structures, rock protection or equivalent treatments
- Floodways (cut off/toe walls etc)
- Specific filter layers (excluding where part of a pavement design)
- Kerbing (all types), spoon drains, pedestrian ramps, property crossovers
- Gross pollutant traps, treatment facilities, and the like
- CCTV inspection of drainage network

#### **G** BRIDGES

All bridge construction activities, for all methods including, but not limited to:

- Demolition or adjustment of existing bridges
- Temporary Works: Edge protection barriers, scaffolding
- Earthworks: Detailed excavation, backfilling, disposal of excess spoil
- Reinforced Earth Walls: Strip footing, facing units, capping beam, backfill, monitoring instrumentation
- Piling: Piles by type, diameter and length
- Cast In Situ Concrete: For each of the Abutments, Pile Caps, Piers, Deck, Approach Slab, Wing Walls, Headstock and Other items, where applicable specify details of blinding, concrete, reinforcing, formwork, jointing, block outs and the like

Tenderer's signature	Date	DIT XXCXXX	Page 19
Telluciel S Signature	Date	DII AACAAA	rage 13

- Structural Steel: Girders, throw screens, handrails, barriers, walkways - Bridge Deck Surfacing: By type and thickness - Bridge Lighting: Road, pedestrian and feature lighting components - Other Bridge Items Note: For projects with more than one bridge pricing of each bridge is to be provided separately <u>H</u> **TUNNELS** All tunnel construction activities, for all methods including, but not limited to: - Demolition or adjustment of existing tunnels - Mobilisation / demobilisation of tunnel equipment and activities - Excavation and support - Tunnel linings - Tunnel drainage - Finishing works - Tunnels services - Ventilation structures and equipment - Control buildings and systems Note: Pricing for each pavement type is to be provided separately using specific pavement type headings, including individual items for components such as specific shoulder treatments, diversion roads (where applicable) and the like Ī **PAVEMENTS** Sub-bases and pavement works for the various pavement solutions, including but not limited to: - Working platform layers - Unbound sub-base layers - Unbound base course lavers - Cement stabilisation - Associated testing, e.g. material, compaction etc. Note: Pricing for each asphalt type is to be provided separately using specific asphalt type headings, including individual items for components such as specific shoulder treatments, diversion roads (where applicable) and the like J **BITUMINOUS SURFACING / ASPHALT** Upgrades to existing pavements, including planing of existing and new wearing surfaces Bituminous works for the various pavement solutions, including but not limited to: - Bound sub-base layers - Bound base layers - Bound wearing course layers (asphalt, spray seal etc.) - Associated testing Note: Pricing for each asphalt type is to be provided separately using specific asphalt type headings K **SECONDARY PAVEMENTS** Footpaths and cycleways (concrete, asphalt, paved including associated sub-base and base course layers, testing etc.) Tactiles Provision of new and/or alteration of existing property accesses/driveways Median infill (concrete, rubble) Concrete roundabout annulus (including associated sub-base and base course layers, testing etc.) Concrete bus bays (including associated sub-base and base course layers, testing etc.)

Tenderer's signature Date DIT XXCXXX Page 20

L

**PAVEMENT MARKING** 

Removal of existing markings and associated devices

Temporary pavement markings, installation and removal

Longitudinal markings: Lane lines, edge lines, barrier lines, clearway lines etc.

Transverse markings: Chevrons, arrows, symbols, messages, rail box hatchings etc.

Coloured bus and cycle lane markings etc.

Kerb painting

Raised pavement markers: Removal of existing, supply and installation of new

Audio-tactile line marking

Other pavement marking items: Pavement bars etc.

#### M ROAD FURNITURE

Guardrail and associated terminals: w-beam, wire rope etc.

Bus stops/shelters (new, relocation, modification)

Fencing: pedestrian, property

Rest area and/or street furniture and amenities: bins, tables, shelters, toilets etc.

Bike storage areas (unless associated with rail station)

Car park wheel stops

Cattle Grids (and where necessary clearing of them as a separate item)

Removal/demolition of the above items

#### N LIGHTING

Demolition of existing lighting infrastructure, removal or filling of existing conduits

Temporary lighting (if poles and bases etc apply)

Light pole footings

Single, double and quad outreach poles (including combo poles)

Luminaires

Pedestrian lighting

Feature lighting

Ducting/conduit

Pits

Switchboards

**Testing and Commissioning** 

# O LANDSCAPING AND URBAN DESIGN

Landscaping Soils

Minor earthworks/formation works

Landscaping / revegetation: trees, grasses, shrubs, turf etc.

Watering Systems

Mulching

Erosion control of landscaping works

Landscape drainage, including associated subsurface drainage

Seed collection

Propagation and nursery storage

Public realm furniture

Feature lighting

Public art

Traffic control and service locations where considered likely as a result of landscaping works occurring beyond the extent of the main

Maintenance of plantings (e.g. weed control, watering etc.) and hard elements (e.g. graffiti removal) for a given period of time after construction, including traffic control, access equipment, safety requirements etc where this occurs after completion of construction works

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#### P TRAFFIC SIGNAGE, SIGNALS AND CONTROLS

#### **Traffic Signage**

Removal of existing signage

Road signage

Wayfinding signage

Guide posts

**Bollards** 

Pedestrian/bike holding rails

#### **Traffic Signals & Controls**

Removal of existing signals and ITS infrastructure

Traffic signals, poles and associated infrastructure (Note: combo poles are to be included within 'N - Lighting')

**Ducting** 

Loops

Testing and Commissioning of Traffic Signals & Controls

#### **Intelligent Transport Systems**

ITS and signage gantries

Intelligent transport systems

Permanent ITS signage: variable message, speed limit, lane status etc.

Testing and Commissioning of ITS Systems

#### Q RAIL

#### **Trackwork**

Rail track complete: ballast, sleepers, rail, rail fittings, track laying, tamping, grinding

Acoustic rail track: track slab, acoustic or vibrating track, track laying, grinding

Turnouts, crossovers, actuators, check points etc. associated with rail installation

Buffer stops including sliding friction, hydraulic and fixed stops

Slewing or adjustment of existing rail track

Removal and disposal of existing track

#### **Overhead Wiring and Poles**

Overhead traction power wiring including all associated support structures, catenary wiring and power supply

Trackside posts, gantries and fitting associated with the support of over track wiring

Catenary and power wiring and associated tensioning systems within or outside of tunnels

Transformers, switchgear, insulators, earthing, bonding, registration equipment

Undertrack crossings for overhead wiring installation

Removal of existing wiring and poles

#### **Power Supply and Distribution**

Incoming raw supply to substations

Substations

High and low voltage power distribution

Transformers for supply to overhead wiring

Trackside installations for power distribution

Removal of existing power supply and distribution items

#### Signalling

Signal plans, control tables and design directly associated with signalling

Mechanical and civil works where associated with signalling installation, including the services route where solely for signalling Control systems, automatic trail protection and control

Interlocking

OFFICIAL: Sensitive Trackside installations associated with Signalling, including location cases, track circuits, axle counters, signal posts and signals, compressed air systems, ground frames, under track crossings, and other line side items Signalling power supply from substation or transformer Signal boxes and buildings Removal of existing signalling items **Rail Communications** Public address systems, CCTV, passenger information systems, precise clocks, train radio, SCADA, trackside installations for rail communications Removal of existing communications items **Combined Services Route** Excavation, backfilling, conduits, pits and markers to provide a trunk route for rail services Removal of existing combined services route items Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Above ground stations including all associated components (platforms, vertical transport etc) Below ground stations including all associated components (in particular excavation and support) Active Pedestrian Crossings Transport Interchanges, including structures, road pavements, lighting, vertical transport, signage etc Car parks (at grade and multi level), complete including associated access roads, controls, entry/exit boom gates Rail administration buildings Stabling buildings Maintenance facilities Cleaning facilities **Driver** amenities **Public amenities** Ticketing systems Bike storage lockers / buildings Other related buildings Commissioning and Handover Testing and commissioning of component and integrated systems Overall commissioning of integrated systems Handover of completed facilities Training of operators and management Accreditation costs associated with regulatory approval **Rolling Stock** Design, procurement, delivery and commissioning Other Rail Specific Works Alternative commuter costs: bus substitutes (where not provided by the Principal), network upgrades to facilitate passenger movements etc.

#### R OTHER

Any items unable to be reasonably allocated within the previous categories

# <u>S</u> <u>DESIGN</u>

Design management and approvals

	•••••		
Tenderer's signature	Date	DIT XXCXXX	Page 23

Investigations and approvals (may include, structural, geotech, enviro approval, veg survey, veg offset, contamination testing, material disposal, heritage approval, water affecting activities permits, pavement design etc.)

Detailed design and documentation

Proof engineering

Independent design verification and certification

Design management during construction

Construction verification and certification

As-building of the works, including survey and documentation as specified

#### **T ON SITE OVERHEADS**

#### Non-Recurring On-Site Overheads

Mobilisation of plant. equipment and personnel

Establishment of site facilities and associated temporary services

Provision of insurances, bank guarantee fees and other contract approvals

Information management system (Tenderer to specify)

CITB levy

Industry levies

Council permits and fees

#### **Recurring On-Site Overheads**

Project management, contract management, site engineer, safety representative, environmental representative etc. Note: Additional entries to be provided for each relevant role/person, nominated personnel are required to align with the organisation chart

Consultants

Community and stakeholder requirements and management

Site vehicles, plant, equipment, scaffolding and small tools etc.

Site accommodation running, services costs and other expenses

Safety, training, inductions and PPE etc.

Testing requirements

Survey requirements

#### **Demobilisation**

Demobilisation of plant. equipment and personnel

Dis-establishment of site facilities complete

Site clean-up

Contract works maintenance

#### Industry and Workplace Participation and Skills Development

Industry participation planning and reporting as per the contract requirements

Upskilling and training including the planning and reporting as per the contract requirements

#### U OFF SITE OVERHEADS

Those costs, which by the normally accepted standards of accounting, are incurred by the Contractor offsite but cannot be directly attributed a specific item of work. This includes, but is not limited to, items such as rent and maintenance of head office accommodation, general head office administration and director's salaries

# V TENDERERS PROFIT MARGIN

Tenderer's signature	Date	DIT XXCXXX	Page 24
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	Tenderers Profit Margin
w	<u>RISK</u>
	Risk
<u>X</u>	PROVISIONAL SUM
	Principal Controlled Allowance

### SCHEDULE 19 SCHEDULE OF QUANTITIES AND PRICES - SITE SUMMARY

#### XXCXXX Contract Title

# SUMMARY OF COMBINED SCHEDULE OF PRICES AND RATES RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Site 1: Road Number Road Name, Description, Maintenance Markers	Site 2: Road Number Road Name, Description, Maintenance Markers	Site 3: Road Number Road Name, Description, Maintenance Markers	Combined Total
Α	ENVIRONMENTAL WORKS	\$ -	\$ -	\$ -	\$ -
В	TRAFFIC MANAGEMENT	\$ -	\$ -	\$ -	\$ -
С	SERVICES	\$ -	\$ -	\$ -	\$ -
D	EARTHWORKS AND DEMOLITION	\$ -	\$ -	\$ -	\$ -
E	RETAINING WALLS	\$ -	\$ -	\$ -	\$ -
F	DRAINAGE	\$ -	\$ -	\$ -	\$ -
G	BRIDGES	\$ -	\$ -	\$ -	\$ -
н	TUNNELS	\$ -	\$ -	\$ -	\$ -
ı	PAVEMENTS	\$ -	\$ -	\$ -	\$ -
J	BITUMINOUS SURFACING / ASPHALT	\$ -	\$ -	\$ -	\$ -
К	SECONDARY PAVEMENTS	\$ -	\$ -	\$ -	\$ -
L	PAVEMENT MARKING	\$ -	\$ -	\$ -	\$ -
М	ROAD FURNITURE	\$ -	\$ -	\$ -	\$ -
N	LIGHTING	\$ -	\$ -	\$ -	\$ -
0	LANDSCAPING AND URBAN DESIGN	\$ -	\$ -	\$ -	\$ -
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$ -	\$ -	\$ -	\$ -
Q	RAIL	\$ -	\$ -	\$ -	\$ -
R	OTHER	\$ -	\$ -	\$ -	\$ -
s	DESIGN	\$ -	\$ -	\$ -	\$ -
T	ON SITE OVERHEADS	\$ -	\$ -	\$ -	\$ -
U	OFF SITE OVERHEADS	\$ -	\$ -	\$ -	\$ -
v	TENDERERS PROFIT MARGIN	\$ -	\$ -	\$ -	\$ -
w	RISK	\$ -	\$ -	\$ -	\$ -
х	PROVISIONAL SUM	\$ -	\$ -	\$ -	\$ -
	TOTAL	\$ -	\$ -	\$ -	\$ -
	INDIVIDUAL SCHEDULE TOTAL	\$ -	\$ -	\$ -	\$ -
	ERROR	\$ -	\$ -	\$	\$ -

Date Tenderer's signature

# SCHEDULE 19.1 SCHEDULE OF QUANTITIES AND PRICES XXCXXX Contract Title

Site 1: Road Number Road Name, Description, Maintenance Markers

#### SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item	Description	Amount	
No.	Description	(\$)	_
Α	ENVIRONMENTAL WORKS	\$	
В	TRAFFIC MANAGEMENT	\$	
С	SERVICES	\$	
D	EARTHWORKS AND DEMOLITION	\$	
E	RETAINING WALLS	\$	
F	DRAINAGE	\$	
G	BRIDGES	\$	
Н	TUNNELS	\$	
1	PAVEMENTS	\$	
J	BITUMINOUS SURFACING / ASPHALT	\$	
K	SECONDARY PAVEMENTS	\$	
L	PAVEMENT MARKING	\$	
М	ROAD FURNITURE	\$	
N	LIGHTING	\$	
0	LANDSCAPING AND URBAN DESIGN	\$	
Р	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$	
Q	RAIL	\$	
R	OTHER	\$	
s	DESIGN	\$	
Т	ON SITE OVERHEADS	\$	
U	OFF SITE OVERHEADS	\$	
V	TENDERERS PROFIT MARGIN	\$	
w	RISK	\$	
х	PROVISIONAL SUM	\$	
	TOTAL	\$	-

# SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of	Estimated	Rate	Amount
		Measurement	Quantity	\$	\$
A	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
A1	Sediment Ponds	number			
A2	Silt Fencing	metre			
A3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			

	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item	1	
A15	Other Permanent Environmental Works: (Tenderer to specify)			
		Su	btotal, ENVIRONMENTAL WORKS	\$
<u>B</u>	TRAFFIC MANAGEMENT			
D1	Tomporovi Troffic Signage	Itam		
B1	Temporary Traffic Signage	Item		
B2	Temporary Variable Message Signs	Item		
В3	Temporary Traffic Signals	Item		
B4	Temporary Lighting	Item		
B5	Temporary Traffic Barriers	Item		
B6	Provision of Traffic Management	Item		
B7	Maintenance of Traffic Control Measures	Item		
B8	Other Traffic Management Items: (Tenderer to specify)			
		Subtotal, TRAFFIC MANAG	EMENT AND TEMPORARY WORKS	\$
<u>c</u>	SERVICES			
C1	Identification and Location of Services	Item		
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item		
C3	Relocation of Services (Tenderer to specify by type and size)	Item		
C4	Protection of Services (Tenderer to specify by type and size)	Item		
C5	Provision of New Services: (Tenderer to specify)	Item		
C6	Other Services Works: (Tenderer to specify)			
			Subsect SERVICES	<b>*</b>
			Subtotal, SERVICES	\$
<u>D</u>	EARTHWORKS AND DEMOLITION			
	Preparation Works			
D1	Demolition of Existing Buildings, Structures and the like	Item		
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre		
D3	Tree Trimming	Item		
D4	Clearing and Grubbing of Nominated Trees	number		
		square metre		
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre		
D5 D6	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material	square metre		
D5 D6 D7	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify)	square metre tonnes		
D5 D6 D7 D8	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement	square metre		
D5 D6 D7	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify)	square metre tonnes		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks	square metre tonnes metre		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill	square metre tonnes metre cubic metre		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil	square metre tonnes metre  cubic metre cubic metre		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill	square metre tonnes metre cubic metre		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil	square metre tonnes metre  cubic metre cubic metre		
D5 D6 D7 D8 D9	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill	square metre tonnes metre  cubic metre cubic metre cubic metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing	square metre tonnes metre  cubic metre cubic metre cubic metre ltem		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify)  Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill	square metre tonnes metre  cubic metre cubic metre cubic metre ltem		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify)  Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import to Fill Cut to Spoil Import to Fill Cut to Spoil	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre cubic metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import To Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify)	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre ltem tonnes		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import To Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre ltem tonnes  square metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import to Fill Cut to Spoil Import to Fill Cut petailed Earthworks Cut to Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas Formation of Batters and Trimming	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre cubic metre ltem tonnes  square metre square metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import To Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre ltem tonnes  square metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import to Fill Cut to Spoil Import to Fill Cut petailed Earthworks Cut of Fill Cut of Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas Formation of Batters and Trimming Formation of Swale Drains Other Detailed Earthworks Items: (Tenderer to specify)	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre cubic metre ltem tonnes  square metre square metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import to Fill Cut to Spoil Import to Fill Cut petailed Earthworks Cut of Fill Cut of Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas Formation of Batters and Trimming Formation of Swale Drains	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre cubic metre ltem tonnes  square metre square metre		
D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23 D24	Clearing and Grubbing of Existing Bituminous Surfacing Stripping and Stockpiling of Topsoil Material Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)  Bulk Earthworks Cut to Fill Cut to Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)  Detailed Earthworks Cut to Fill Cut to Spoil Import to Fill Cut to Spoil Import to Fill Cut period Earthworks Cut to Fill Cut of Spoil Import to Fill Compliance Testing Dumping/Disposal Costs (Tenderer to specify) Subgrade Preparation all Areas Formation of Batters and Trimming Formation of Swale Drains Other Detailed Earthworks Items: (Tenderer to specify)	square metre tonnes metre  cubic metre cubic metre cubic metre ltem tonnes  cubic metre cubic metre cubic metre cubic metre square metre square metre square metre		

		Subtotal,	EARTHWORKS A	ND DEMOLITION	\$ _
<u>E</u>	RETAINING WALLS				
	Retaining Wall Type A				
E1	Tenderer to Detail Wall Type and Height	square metre			
E2	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)	oqualo mono			
	Retaining Wall Type B				
E3	Tenderer to Detail Wall Type and Height	square metre			
E4	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Other Retaining Wall Items				
E5	Other Retaining Wall Items: (Tenderer to specify)				
			Subtotal, RE	TAINING WALLS	\$
<u>F</u>	<u>DRAINAGE</u>				
_					
E4	Drainage Demolition  Tondoverto List and Detail all Drainage Demolition Items				
F1	Tenderer to List and Detail all Drainage Demolition Items				
	<u>Drainage Structures</u>				
F2	Tenderer to List and Detail all Drainage Structures	number			
	Pipes and Box Culverts				
F3	Tenderer to List and Detail all Pipelines	metre			
	<u></u>				
F4	Kerbing  Tandaras to List and Datail all Karbing	matra			
Г4	Tenderer to List and Detail all Kerbing	metre			
	Other				
F5	Other Drainage Items: (Tenderer to specify)				
			Sub	total, DRAINAGE	\$
<u>G</u>	BRIDGES				
	Temporary Works				
G1	Temporary Works Tenderer to List and Detail all Temporary Works Items				
G1	Temporary Works Tenderer to List and Detail all Temporary Works Items				
G1					
G1 G2	Tenderer to List and Detail all Temporary Works Items				
	Tenderer to List and Detail all Temporary Works Items  Earthworks  Tenderer to List and Detail all Earthworks Items				
G2	Tenderer to List and Detail all Temporary Works Items  Earthworks  Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls				
	Tenderer to List and Detail all Temporary Works Items  Earthworks  Tenderer to List and Detail all Earthworks Items				
G2	Tenderer to List and Detail all Temporary Works Items  Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items				
G2	Tenderer to List and Detail all Temporary Works Items  Earthworks  Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls				
G2 G3	Tenderer to List and Detail all Temporary Works Items  Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling				
G2 G3 G4	Tenderer to List and Detail all Temporary Works Items  Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete				
G2 G3 G4	Tenderer to List and Detail all Temporary Works Items  Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete  Abutment Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6	Earthworks Tenderer to List and Detail all Temporary Works Items  Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7	Earthworks Tenderer to List and Detail all Temporary Works Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Pilling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8	Earthworks Tenderer to List and Detail all Temporary Works Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Pilling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9	Earthworks Tenderer to List and Detail all Temporary Works Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9 G10	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9	Earthworks Tenderer to List and Detail all Temporary Works Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify) Other Cast In-Situ Concrete Items: (Tenderer to Specify)				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify) Other Cast In-Situ Concrete Items: (Tenderer to Specify) Structural Steel Tenderer to List and Detail all Structural Steel Items				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify) Other Cast In-Situ Concrete Items: (Tenderer to Specify) Structural Steel Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify) Other Cast In-Situ Concrete Items: (Tenderer to Specify) Structural Steel Tenderer to List and Detail all Structural Steel Items				
G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12	Earthworks Tenderer to List and Detail all Earthworks Items  Reinforced Earth Walls Tenderer to List and Detail all Reinforced Earth Wall Items  Piling Tenderer to List and Detail all Pile Items  Cast In Situ Concrete Abutment Items: (Tenderer to Specify) Pile Cap Items: (Tenderer to Specify) Pier Items: (Tenderer to Specify) Deck Items: (Tenderer to Specify) Approach Slab Items: (Tenderer to Specify) Wing Wall Items: (Tenderer to Specify) Headstock Items: (Tenderer to Specify) Other Cast In-Situ Concrete Items: (Tenderer to Specify) Structural Steel Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing				

i	I	l		I		
	Other Bridge Items					
G16	Tenderer to List and Detail all Other Bridge Items					
0.0	Total of the List and Botalt all other Bridge from					
				L		_
			Su	btotal, BRIDGES	\$ -	
<u>H</u>	<u>TUNNELS</u>					
H1	Mobilisation / Demobilisation of Tunnel Equipment and Activities					
H2	Excavation and Support (Tenderer to specify)					
H3	Tunnel Linings (Tenderer to specify)					
H4	Tunnel Drainage (Tenderer to specify)					
H5	Finishing Works (Tenderer to specify)					
H6	Tunnels Services (Tenderer to specify)					
H7	Ventilation Structures and Equipment (Tenderer to specify)					
H8	Control Buildings and Systems (Tenderer to specify)					
H9	Other Tunnel Items: (Tenderer to specify)					
			Su	btotal, TUNNELS	\$ -	
	DAVEMENTS					_
1	PAVEMENTS					
	Pavement Type A					
l1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre				
	Pavement Type B					
12	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre				
	Pavement Type C					
13	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre				
	Other Pavement Items					
14	Other Pavement Items: (Tenderer to specify)					
			Subto	tal, PAVEMENTS	\$ -	
						_
Ţ	BITUMINOUS SURFACING / ASPHALT					
	Pavement Type A					
J1	Prime (Tenderer to specify including application rate)	square metre				
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre				
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	Pavement Type B					
J4	Prime (Tenderer to specify including application rate)	square metre				
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre				
J6	Other Items Specific to this Pavement Type: (Tenderer to specify)					
	1					
	Pavement Type C					
J7	Prime (Tenderer to specify including application rate)	square metre				
J8	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre				
J9	Other Items Specific to this Pavement Type: (Tenderer to specify)					
	71 - V - V - V - V - V - V - V - V - V -					
	Other Bituminous Surfacing / Asphalt Items					
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)					
		Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$ -	
						_
K	SECONDARY PAVEMENTS					
	Footpaths / Cycleway Type A					
K1	Footpath / Cycleway (Tenderer to specify by type and layer)	square metre				
K2	Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre				
	Footpaths / Cycleway Type B					
К3	Footpath / Cycleway (Tenderer to specify by type and layer)	square metre				

		ī			
K4	Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre			
	Median Infill Type A				
K5	Median Infill (Tenderer to specify by type and layer)	square metre			
K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	Median Infill Type B				
K7	Median Infill (Tenderer to specify by type and layer)	square metre			
K8	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	Other Secondary Pavement Items				
К9	Other Secondary Pavement Items: (Tenderer to specify)				
		Su	btotal, SECONDARY F	PAVEMENTS	\$ -
<u>L</u>	PAVEMENT MARKING				
L1	Removal of Existing Markings and associated Devices	metre			
L2	Temporary Pavement Markings	metre			
L3	Longitudinal Markings	metre			
L4	Transverse Markings	square metre			
L5	Coloured Lane Markings	square metre			
L6	Kerb Painting	metre			
L7	Raised Pavement Markers	number			
L8	Audio Tactile Line Marking	metre			
L9	Other Pavement Marking Items: (Tenderer to specify)				
			Subtotal, PAVEMEN	T MARKING	<b>.</b>
					•
<u>M</u>	ROAD FURNITURE				
	<u>Barriers</u>				
M1	W-Beam Safety Barrier	metre			
M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre			
МЗ	TL-3 ET-SS Leading Barrier Terminal	number			
M4	Trailing Terminal - TL3	number			
M5	Terminal Ends - TL3	number			
M6	Removal of existing Safety Barrier	Item			
M7	Other Barrier Items: (Tender to specify)				
• • • •	other barner terms. (Terms to opening)				
	Fencing and Gates				
M8	Removal of Fencing and Gates	Item			
M9	Installation of new Fencing	metre			
M10	Installation of relocated Gates	number			
M10 M11		number			
11111	Other Fencing and Gates Items: (Tenderer to specify)				
	Other Road Furniture Items				
M12	Other Road Furniture Items: (Tenderer to specify)				
∠	Carlot Houd Fulliture Items. (Tenderer to specify)				
			Subtotal, ROAD	FURNITURE	-
N	LIGHTING				
N1	Demolition of Existing	Item			
N2	Temporary Lighting Poles, Footings etc	Item			
N3	Footings (Tenderer to specify by type)	number			
N4	Single Outreach Poles (Tenderer to specify by type)	number			
N5	Double Outreach Poles (Tenderer to specify by type)	number			
N6	Luminaires (Tenderer to specify by type)	number			
N7	Conduit (Tenderer to specify by type and size)	metre			
	Pits (Tenderer to specify by type and size)	number			
N8		number			
N8 N9	Switchboards (Tenderer to specify by type and size)	Hullibel			
	Switchboards (Tenderer to specify by type and size) Testing and Commissioning	Item			
N9					
N9 N10	Testing and Commissioning				

	· [		Subtotal, LIGHTING	\$
<u>o</u>	LANDSCAPING AND URBAN DESIGN			
01	Landscaping Soils	cubic metre		
02	Landscaping Color Landscaping / Revegetation	square metre		
03		•		
	Watering Systems	number		
04	Mulching	square metre		
O5	Maintenance of Landscaping (Tenderer to specify period)	Item		
O6	Other Landscaping and Urban Design Items: (Tenderer to specify)			
		Subtotal, LA	NDSCAPING AND URBAN DESIGN	\$
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS			
	Traffic Signage			
P1	Removal of Existing Signage	Item		
P2	Road Signage (Tenderer to specify by type)	number		
P3	Guide Posts	number		
P4	Other Traffic Signage Items: (Tenderer to specify)			
	Traffic Signals & Controls			
P5	Removal of Existing Signals and ITS Infrastructure	Item		
P6	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number	1	
P7	Ducting (Tenderer to specify by size type)	metre		
P8	Loops		1	
		number		
P9	Testing and Commissioning of Traffic Signals & Controls	Item		
P10	Other Traffic Signals & Controls Items: (Tenderer to specify)			
	Intelligent Transport Systems			
P11	ITS and Signage Gantries (Tenderer to specify by type)	number		
P12	Intelligent Transport Systems (Tenderer to specify)	Item		
P13	Permanent ITS Signage (Tenderer to specify by size and type)	number		
113	remailent 113 dignage (renderer to specify by size and type)	Hullibei		
D4.4	To all a social Comment of the Comme	trans.		
	Testing and Commissioning of ITS Systems Other Intelligent Transport System Homes (Tandaver to openits)	Item		
P14 P15	Testing and Commissioning of ITS Systems Other Intelligent Transport System Items: (Tenderer to specify)	Item		
	Other Intelligent Transport System Items: (Tenderer to specify)		GNAGE, SIGNALS AND CONTROLS	\$
	Other Intelligent Transport System Items: (Tenderer to specify)		ENAGE, SIGNALS AND CONTROLS	\$
P15 Q	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork		SNAGE, SIGNALS AND CONTROLS	\$
P15	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL		ENAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork	btotal, TRAFFIC SIC	ENAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1 Q2	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork  Removal of Existing Track	nbtotal, TRAFFIC SIC	GNAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1 Q2 Q3	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping	metre metre metre metre metre	GNAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1 Q2 Q3 Q4	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)	metre metre	SNAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1 Q2 Q3 Q4	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)	metre metre metre metre metre	SNAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5	Other Intelligent Transport System Items: (Tenderer to specify)  Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles	metre metre metre metre metre number	GNAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify)	metre metre metre metre metre number	SNAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5 Q6 Q7	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify)	metre metre metre metre number  metre ltem	SNAGE, SIGNALS AND CONTROLS	\$
<b>Q</b> Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify)	metre metre metre metre metre number	ENAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5 Q6 Q7	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify)	metre metre metre metre number  metre ltem	ENAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify)	metre metre metre number  metre ltem ltem	ENAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	metre metre metre metre number  metre ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer	metre metre metre number  metre ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)	metre metre metre number  metre ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11	Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify) Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	Cher Intelligent Transport System Items: (Tenderer to specify)  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Substations (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem	ENAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11	Su  RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify) Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	Cher Intelligent Transport System Items: (Tenderer to specify)  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Substations (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	Su  RAIL  Trackwork  Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Tamping  Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Substations (Tenderer to specify)  High and Low Voltage Power Distribution (Tenderer to specify)  Transformers for Supply to Overhead Wiring	metre metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	SNAGE, SIGNALS AND CONTROLS	\$
Q Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify) Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	SNAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify) Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	SNAGE, SIGNALS AND CONTROLS	\$
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify) Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify)	metre metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	SNAGE, SIGNALS AND CONTROLS	\$

ı	1	Ī	1	i
Q21	Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for	Item		
42.	Signalling)			
Q22	Control Systems, Automatic Trail Protection	Item		
Q23	Interlocking	Item		
Q24	Trackside Installations for Signalling (Tenderer to specify)	Item		
Q25	Signalling Power Supply from Substation or Transformer	Item		
Q26	Signal Boxes and Buildings	Item		
		item		
Q27	Other Signalling Items: (Tenderer to specify)			
	Rail Communications			
Q28	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train	Item		
	Radio, SCADA, Trackside Installations for Rail Communications (Tenderer to specify)			
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
000	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail	14		
Q30	Services (Tenderer to specify)	Item		
Q31	Other Combined Services Route Items: (Tenderer to specify)			
,	7			
	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities			
Q32	Stations (Tenderer to specify)	Item		
Q33	Active Pedestrian Crossings (Tenderer to specify)	Item		
Q34	Interchanges (Tenderer to specify)	metre		
Q35	Car Parks (Tenderer to specify)	Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37	Stabling Buildings (Tenderer to specify)	Item		
Q38	Maintenance Facilities (Tenderer to specify)	Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items:			
Q40	(Tenderer to specify)			
	Commissioning and Handover			
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43	Handover of Completed Facilities	Item		
Q44	Training of Operators and Management	Item		
Q45	Accreditation Costs Associated with Regulatory Approval	Item		
Q46	Other Commissioning and Handover Items: (Tenderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Rail Specific Works			
	Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger			
Q49	Movements (Tenderer to specify)	Item		
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
QUU	other natiopositio works items. (remaded to specify)			
			Subtotal, RAIL	\$ -
_	OTUED			
<u>R</u>	OTHER			
R1	Other Items: (Tenderer to specify)			
			0.1	
			Subtotal, OTHER	\$ -
c	DESIGN			
<u>s</u>	DESIGN			
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals	Item		
S3	Other: (Tenderer to specify)			
	Design Gate 1 (e.g. 30%)			
S4	Design Package 1	Item		
S5	Independent Design Certification Package 1	Item		
S6	Other: (Tenderer to specify)	iteiii		
36	other. (reflucter to specify)			
	Design Cate 2 (o.g. 70%)			
I	Design Gate 2 (e.g. 70%)	Į	I I	1

S8 S9 S10	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)	Item Item		
S9 S10	Other: (Tenderer to specify)	Item		
S10				
	Design Gate 3 (e.g. IFC)			
		la		
	Design Package 1	Item		
S11	Independent Design Certification Package 1	Item		
S12	Other: (Tenderer to specify)			
	Construction Phase Services			
S13	Construction Phase Design Inspections and Reporting	Item		
	1	Item		
S14	Other: (Tenderer to specify)			
	Independent Design Certification			
S15	Independent Design Certification	Item		
S16	Other Independent Design Certification Items: (Tenderer to specify)			
	Construction Verification			
S17	Construction Verification	Item		
		item		
S18	Other Construction Verification Items: (Tenderer to specify)			
	As Builts			
S19	As Building of the Works, Including Survey and Documentation	Item		
S20	Other As Built Items: (Tenderer to specify)			
		I	<b>_</b>	
			Subtotal, DESIGN	\$
_				
Ī	ON SITE OVERHEADS (Site Specific)			
	Non-Recurring On Site Overheads			
T1	Mobilisation of Locally Based Personnel	number		
T2	Mobilisation of Interstate Based Personnel	number		
T3	Mobilisation of Locally Based Plant and Equipment	number		
	Mobilisation of Interstate Based Plant and Equipment	number		
T5	Establishment of Site Facilities	Item		
T6	Establishment of Temporary Services to Site Facilities	Item		
T7	Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals	Item		
T8	Information Management System (Tenderer to specify)	Item		
T9	CITB Levy	Item		
T10	Other Non-Recurring On-Site Overhead Items: (Tenderer to specify)	Teom:		
	Carlot Hora Hosanning on Gite Overhous Items. (Temsor to appeary)			
	Recurring On Site Overheads			
	Project Manager	wooks		
		weeks		
T12	Contract Manager	weeks		
T13	Site Engineer	weeks		
T14	Contractors Design Manager	weeks		
T15	Quality Manager	weeks		
T16	Construction Manager	weeks		
T17	Site Supervisor	weeks		
T18	Safety Representative	weeks		
T19	Environmental Representative	weeks		
T20	Document Controller	weeks		
T21	Consultants	weeks		
T22	Community and Stakeholder Requirements and Management	weeks		
T23	Site Vehicles, Plant, Equipment, Scaffolding and Small tools etc.	weeks		
T24	Site Accommodation Running, Services and Expenses	weeks		
T25	Safety, Training, Inductions and PPE etc.	weeks		
T26				
	Testing Requirements	weeks		
T27	Survey Requirements	weeks		
T28	Other Recurring On-Site Overheads Items: (Tenderer to specify)			
	<u>Demobilisation</u>			
T29	Demobilisation of Plant. Equipment and Personnel	Item		
	Dis-Establishment of Site Facilities Complete	Item		
T30	Site Clean-Up	Item		
				ĺ
T31		ltem		
T31 T32	Contract Works Maintenance	Item		
T31		Item		

<u>V</u>	TENDERERS PROFIT MARGIN  Tenderers Profit Margin	06	Subtotal, OFF S	SITE OVERHEADS	\$ -
<u>ν</u> V1	Tenderers Profit Margin	%			
			Subtotal, TENI	DERERS MARGIN	\$ -
W	RISK	la an			
W1	Risk	Item			
		•	•	Subtotal, RISK	\$ -
<u>x</u>	PROVISIONAL SUM				
<b>^</b> X1	Principal Controlled Allowance	Provisional			

# SCHEDULE 19.2 SCHEDULE OF QUANTITIES AND PRICES XXCXXX Contract Title

# Site 2: Road Number Road Name, Description, Maintenance Markers

# SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item	Description	Amount	
No.	Description	(\$)	
Α	ENVIRONMENTAL WORKS	\$	
В	TRAFFIC MANAGEMENT	\$	
С	SERVICES	\$	
D	EARTHWORKS AND DEMOLITION	\$	
E	RETAINING WALLS	\$	
F	DRAINAGE	\$	
G	BRIDGES	\$	
н	TUNNELS	\$	
1	PAVEMENTS	\$	
J	BITUMINOUS SURFACING / ASPHALT	\$	
K	SECONDARY PAVEMENTS	\$	
L	PAVEMENT MARKING	\$	
М	ROAD FURNITURE	\$	
N	LIGHTING	\$	
0	LANDSCAPING AND URBAN DESIGN	\$	
Р	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$	
Q	RAIL	\$	
R	OTHER	\$	
s	DESIGN	\$	
Т	ON SITE OVERHEADS	\$	
U	OFF SITE OVERHEADS	\$	
v	TENDERERS PROFIT MARGIN	\$	
w	RISK	\$	
X	PROVISIONAL SUM	\$	
	TOTAL	\$	_

#### SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of	Estimated	Rate	Amount
	20011111111	Measurement	Quantity	\$	\$
A	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
A1	Sediment Ponds	number			
A2	Silt Fencing	metre			
А3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			
A14	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item			

A15	Other Permanent Environmental Works: (Tenderer to specify)			
		Subto	otal, ENVIRONMENTAL WORKS	\$
<u>B</u>	TRAFFIC MANAGEMENT			
B1	Temporary Traffic Signage	Item		
B2	Temporary Variable Message Signs	Item		
В3	Temporary Traffic Signals	Item		
B4	Temporary Lighting	Item		
B5	Temporary Traffic Barriers	Item		
B6	Provision of Traffic Management	Item		
B7	Maintenance of Traffic Control Measures	Item		
B8	Other Traffic Management Items: (Tenderer to specify)			
		Subtotal, TRAFFIC MANAGEM	ENT AND TEMPORARY WORKS	\$
<u>c</u>	SERVICES			
C1	Identification and Location of Services	Item		
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item		
C3	Relocation of Services (Tenderer to specify by type and size)	Item		
C4	Protection of Services (Tenderer to specify by type and size)	Item		
C5	Provision of New Services: (Tenderer to specify)	Item		
C6	Other Services Works: (Tenderer to specify)			
			Subtotal, SERVICES	\$
D	EARTHWORKS AND DEMOLITION			
	Preparation Works			
D1	Demolition of Existing Buildings, Structures and the like	Item		
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre		
D3	Tree Trimming	Item		
D4	Clearing and Grubbing of Nominated Trees	number		
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre		
D6 D7	Stripping and Stockpiling of Topsoil Material	square metre		
D7	Dumping/Disposal Costs (Tenderer to specify) Saw Cutting of Existing Pavement	tonnes metre		
D9	Other Preparation Works Items: (Tenderer to specify)	mette		
	Bulk Earthworks			
D10	Cut to Fill	cubic metre		
D11	Cut to Spoil	cubic metre		
D12	Import to Fill	cubic metre		
D13 D14	Compliance Testing	Item		
D14	Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)	tonnes		
	<u>Detailed Earthworks</u>			
D16	Cut to Fill	cubic metre		
D17	Cut to Spoil	cubic metre		
D18	Import to Fill	cubic metre		
D19	Compliance Testing	Item		
D20 D21	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D21	Subgrade Preparation all Areas Formation of Batters and Trimming	square metre square metre		
D23	Formation of Swale Drains	square metre		
D23	Other Detailed Earthworks Items: (Tenderer to specify)	oquato mono		
	Surface Treatments			
D25	Respreading of Topsoil from Stockpile	square metre		
D26	Other Surface Treatments Items: (Tenderer to specify)			

		1	,		
<u>E</u>	RETAINING WALLS				
_					
	Retaining Wall Type A				
E1	Tenderer to Detail Wall Type and Height	square metre			
E2	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Retaining Wall Type B				
E3	Tenderer to Detail Wall Type and Height	square metre			
E4	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Other Retaining Wall Items				
E5	Other Retaining Wall Items: (Tenderer to specify)				
			Subtotal. RE	TAINING WALLS	<b>s</b> -
	1	ı	1		*
<u> </u>	<u>DRAINAGE</u>				
_					
	<u>Drainage Demolition</u>				
F1	Tenderer to List and Detail all Drainage Demolition Items				
	<u>Drainage Structures</u>				
F2	Tenderer to List and Detail all Drainage Structures	number			
	Pipes and Box Culverts				
F3	Tenderer to List and Detail all Pipelines	metre			
	Kerbing				
F4	Tenderer to List and Detail all Kerbing	metre			
	Other				
F5	Other Drainage Items: (Tenderer to specify)				
			Sub	total, DRAINAGE	\$ -
	1	T	1	,	•
<u>G</u>	BRIDGES				
	Temporary Works				
G1	Tenderer to List and Detail all Temporary Works Items				
	<u>Earthworks</u>				
G2	Tenderer to List and Detail all Earthworks Items				
	Reinforced Earth Walls				
G3	Tenderer to List and Detail all Reinforced Earth Wall Items				
	Piling				
G4	Tenderer to List and Detail all Pile Items				
	<u>Cast In Situ Concrete</u>				
G5	Abutment Items: (Tenderer to Specify)				
G6	Pile Cap Items: (Tenderer to Specify)				
G7	Pier Items: (Tenderer to Specify)				
G8	Deck Items: (Tenderer to Specify)				
G9	Approach Slab Items: (Tenderer to Specify)				
G10	Wing Wall Items: (Tenderer to Specify)				
G11	Headstock Items: (Tenderer to Specify)				
G12	Other Cast In-Situ Concrete Items: (Tenderer to Specify)				
	Structural Steel				
G13	Tenderer to List and Detail all Structural Steel Items				
	Bridge Deck Surfacing				
G14	Tenderer to List and Detail all Bridge Deck Surfacing Items				
	Bridge Lighting				
G15	Tenderer to List and Detail all Bridge Lighting Items				
	Other Bridge Items				
G16	Tenderer to List and Detail all Other Bridge Items				

		T	Su	ibtotal, BRIDGES	\$
Н	TUNNELS				
H1	Mobilisation / Demobilisation of Tunnel Equipment and Activities				
H2	Excavation and Support (Tenderer to specify)				
H3	Tunnel Linings (Tenderer to specify)				
H4	Tunnel Drainage (Tenderer to specify)				
H5	Finishing Works (Tenderer to specify)				
H6	Tunnels Services (Tenderer to specify)				
H7	Ventilation Structures and Equipment (Tenderer to specify)				
H8	Control Buildings and Systems (Tenderer to specify)				
H9	Other Tunnel Items: (Tenderer to specify)				
110	Calci Talinet Reside (Tollege) to opening				
			Su	btotal, TUNNELS	\$
1	PAVEMENTS				
	Dougnant Time A				
14	Pavement Type A  Working Platform / Sub-Page / Page Course Layers /Tenderer to appoint by type and layer)	0011070 75 -+			
I1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type B				
12	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type C				
13	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Other Pavement Items				
14	Other Pavement Items: (Tenderer to specify)				
			Subto	otal, PAVEMENTS	\$
			<u> </u>		*
Ī	BITUMINOUS SURFACING / ASPHALT				
	Pavement Type A				
J1	Prime (Tenderer to specify including application rate)	square metre			
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Pavement Type B				
J4	Prime (Tenderer to specify including application rate)	square metre			
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J6	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Pavement Type C				
J7	Prime (Tenderer to specify including application rate)	square metre			
J8	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J9	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Other Bituminous Surfacing / Asphalt Items				
	Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)				
J10					
		Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$
		Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS	Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$
J10 <b>K</b>	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A		UMINOUS SURFA	CING / ASPHALT	\$
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS	Subtotal, BITI square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$
J10  K  K1	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to specify by type and layer)  Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre	UMINOUS SURFA	CING / ASPHALT	\$
J10  K  K1  K2	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B	square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$
J10  K  K1  K2  K3	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B  Footpath / Cycleway (Tenderer to specify by type and layer)	square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$
J10  K  K1  K2	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B	square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$
J10  K  K1  K2  K3	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS  Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B  Footpath / Cycleway (Tenderer to specify by type and layer)	square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$

K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre		
	Median Infill Type B			
K7	Median Infill (Tenderer to specify by type and layer)	square metre		
K8	Other Items Specific to this Median Infill Type: (Tenderer to specify)			
NO	Other items specific to this riedian limit type. (Tenderer to specify)	square metre		
	Other Secondary Pavement Items			
K9	Other Secondary Pavement Items: (Tenderer to specify)			
		e	beetal SECONDARY DAVEMENTS	
		3u	btotal, SECONDARY PAVEMENTS	<b>3</b> -
L	PAVEMENT MARKING			
_	LAYELEKI LISHMING			
L1	Removal of Existing Markings and associated Devices	metre		
L2	Temporary Pavement Markings	metre		
L3	Longitudinal Markings	metre		
L4	Transverse Markings	square metre		
L5	Coloured Lane Markings	square metre		
L6	Kerb Painting	metre		
	1			
L7	Raised Pavement Markers	number		
L8	Audio Tactile Line Marking	metre		
L9	Other Pavement Marking Items: (Tenderer to specify)			
			Subtotal, PAVEMENT MARKING	\$ -
		1		
<u>M</u>	ROAD FURNITURE			
	Barriers			
M1	W-Beam Safety Barrier	metre		
M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre		
М3	TL-3 ET-SS Leading Barrier Terminal	number		
M4	Trailing Terminal - TL3	number		
M5	Terminal Ends - TL3	number		
M6	Removal of existing Safety Barrier	Item		
M7	Other Barrier Items: (Tender to specify)			
1.17	Other Burner Items. (Tender to speerly)			
	Fencing and Gates			
MO		14		
M8	Removal of Fencing and Gates	Item		
M9	Installation of new Fencing	metre		
M10	Installation of relocated Gates	number		
M11	Other Fencing and Gates Items: (Tenderer to specify)			
	Other Road Furniture Items			
M12	Other Road Furniture Items: (Tenderer to specify)			
			Subtotal, ROAD FURNITURE	\$ -
	LIGHTING			
N	LIGHTING			
N1	Demolition of Existing	Item		
N2	Temporary Lighting Poles, Footings etc	Item		
N3	Footings (Tenderer to specify by type)	number		
N4	Single Outreach Poles (Tenderer to specify by type)	number		
N5	Double Outreach Poles (Tenderer to specify by type)	number		
N6	Luminaires (Tenderer to specify by type)	number		
N7	Conduit (Tenderer to specify by type and size)	metre		
N8	Pits (Tenderer to specify by type and size)	number		
N9	Switchboards (Tenderer to specify by type and size)	number		
N10	Testing and Commissioning	Item		
N11	Other Lighting Items: (Tenderer to specify)			
			Subtotal, LIGHTING	\$ -
0	LANDSCADING AND LIBRAN DESIGN			
<u>o</u>	LANDSCAPING AND URBAN DESIGN			
01	Landscaping Soils	cubic metre		
02	Landscaping / Revegetation	square metre		I
02	Editopoophilg / HovoBotation	Square mene	ı I	1

			•	
О3	Watering Systems	number		
04	Mulching	square metre		
O5	Maintenance of Landscaping (Tenderer to specify period)	Item		
06	Other Landscaping and Urban Design Items: (Tenderer to specify)			
		Subtotal, LANDS	CAPING AND URBAN DES	SIGN \$ -
<u>P</u>	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS			
	Traffic Signage			
P1	Removal of Existing Signage	Item		
P2	Road Signage (Tenderer to specify by type)	number		
P3	Guide Posts	number		
P4	Other Traffic Signage Items: (Tenderer to specify)	number		
14	Other traine dignage nems. (remoter to speeny)			
	Traffic Signals & Controls			
P5	Removal of Existing Signals and ITS Infrastructure	Item		
P6	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number		
P7	Ducting (Tenderer to specify by size type)	metre		
P8	Loops	number		
P9	Testing and Commissioning of Traffic Signals & Controls	Item		
P10	Other Traffic Signals & Controls Items: (Tenderer to specify)			
	Intelligent Transport Systems			
P11	ITS and Signage Gantries (Tenderer to specify by type)	number		
P12	Intelligent Transport Systems (Tenderer to specify)	Item		
P13	Permanent ITS Signage (Tenderer to specify)	number		
P14	Testing and Commissioning of ITS Systems	Item		
P15	Other Intelligent Transport System Items: (Tenderer to specify)			
	Su	ubtotal, TRAFFIC SIGNAC	GE, SIGNALS AND CONTR	ROLS \$ -
Q	RAIL			
	<u>Trackwork</u>			
Q1	Removal of Existing Track	metre		
Q2	Rail Track Complete (Tenderer to specify)	metre		
Q3	Tamping	metre		
Q4	Turnouts, Crossovers, Actuators etc (Tenderer to specify)	number		
Q5		number		
QJ	Other Trackwork Items: (Tenderer to specify)			
	Overhead Wiring and Poles			
Q6	Removal of Existing Wiring and Poles (Tenderer to specify)	metre		
Q7	Overhead Traction Power Wiring (Tenderer to specify)	Item		
Q8	Trackside posts, gantries and fitting (Tenderer to specify)	Item		
Q9	Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	Item		
010	Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer	la		
Q10	to specify)	Item		
Q11	Other Overhead Wiring and Poles Items: (Tenderer to specify)			
	Power Supply and Distribution			
Q12	Removal of Existing Power Supply and Distribution Items	Item		
Q13	Incoming Raw Supply to Substations (Tenderer to specify)	Item		
Q13 Q14	Substations (Tenderer to specify)	Item		
-				
Q15	High and Low Voltage Power Distribution (Tenderer to specify)	Item		
Q16	Transformers for Supply to Overhead Wiring	Item		
Q17	Trackside Installations for Power Distribution (Tenderer to specify)	Item		
Q18	Other Power Supply and Distribution Items: (Tenderer to specify)			
	Signalling			
Q19	Removal of Existing Signalling Items	Item		
Q19 Q20	Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design	Item Item		
	Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for			
Q20 Q21	Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)	ltem ltem		
Q20 Q21 Q22	Signal Plans, Control Tables and Signalling Design  Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)  Control Systems, Automatic Trail Protection	Item Item Item		
Q20 Q21 Q22 Q23	Signal Plans, Control Tables and Signalling Design  Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)  Control Systems, Automatic Trail Protection  Interlocking	Item Item Item Item		
Q20 Q21 Q22 Q23 Q24	Signal Plans, Control Tables and Signalling Design  Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)  Control Systems, Automatic Trail Protection  Interlocking  Trackside Installations for Signalling (Tenderer to specify)	Item Item Item		
Q20 Q21 Q22 Q23	Signal Plans, Control Tables and Signalling Design  Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)  Control Systems, Automatic Trail Protection  Interlocking	Item Item Item Item		

Q27	Other Signalling Items: (Tenderer to specify)			
	Rail Communications			
Q28	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train Radio, SCADA, Trackside Installations for Rail Communications (Tenderer to specify)	Item		
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
Q30	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail Services	Item		
	(Tenderer to specify)			
Q31	Other Combined Services Route Items: (Tenderer to specify)			
	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities			
Q32	Stations (Tenderer to specify)	Item		
Q33	Active Pedestrian Crossings (Tenderer to specify)	Item		
Q34	Interchanges (Tenderer to specify)	metre		
Q35	Car Parks (Tenderer to specify)	Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37 Q38	Stabling Buildings (Tenderer to specify)  Maintenance Facilities (Tenderer to specify)	Item Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items:			
Q40	(Tenderer to specify)			
	Commissioning and Handover			
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43 Q44	Handover of Completed Facilities  Training of Operators and Management	Item Item		
Q44 Q45	Accreditation Costs Associated with Regulatory Approval	Item		
Q46	Other Commissioning and Handover Items: (Tenderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Rail Specific Works			
040	Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger	Item		
Q49	Movements (Tenderer to specify)	item		
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
			Subtotal, RAIL	¢ -
R	OTHER			
R1	Other Items: (Tenderer to specify)			
			Subtotal, OTHER	\$ -
<u>s</u>	<u>DESIGN</u>			
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals	Item		
S3	Other: (Tenderer to specify)			
	Design Cate 1 (e.g. 20%)			
S4	Design Gate 1 (e.g. 30%) Design Package 1	Item		
S5	Independent Design Certification Package 1	Item		
S6	Other: (Tenderer to specify)	-		
_	Design Gate 2 (e.g. 70%)			
S7		Item		
S8	Design Package 1		l l	
	Independent Design Certification Package 1	Item		
S9				
	Independent Design Certification Package 1			
	Independent Design Certification Package 1 Other: (Tenderer to specify)			
S9	Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 3 (e.g. IFC)	ltem		
S9 S10	Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 3 (e.g. IFC) Design Package 1	ltem Item		

513 Construction Phase Design Transcritions and Reporting 514 Obtert (Transport to apposit) 515 Independent Design Certification 516 Independent Design Certification 517 Contraction Munification Items; (Tenderer to specify) 518 Contraction Verification 519 Contraction Verification 519 Contraction Verification 519 Contraction Verification 510 Contraction Verification 510 Contraction Verification 510 Contraction Verification 511 Contraction Verification 512 Contraction Verification 513 Contraction Verification 514 As Builts 515 As Builts 515 As Builts 516 Contraction Verification Items; (Tenderer to apacify) 517 Contraction of Contraction Verification Items; (Tenderer to apacify) 518 Contraction of Contraction Verification Items; (Tenderer to apacify) 519 Contraction of Contraction Verification Items; (Tenderer to apacify) 510 Contraction of Contraction Verification Items; (Tenderer to apacify) 510 Contraction of Contraction Verification Items; (Tenderer to apacify) 511 Contraction of Internation Research Personnel 512 Contraction of Internation Research Personnel 513 Contraction of Internation Research Personnel 514 Contraction of Internation Research Personnel 515 Contraction of Internation Research Personnel 516 Contraction of Internation Research Personnel 517 Contraction of Internation Research Personnel 518 Contraction of Internation Research Personnel 519 Contraction of Internation Research Personnel 510 Contraction of Internation Research Personnel 510 Contraction of Internation Research Personnel 511 Contraction of Internation Research Personnel 512 Contraction of Internation Research Personnel 513 Contraction Research Personnel 514 Contraction Research Personnel 515 Contraction Research Personnel 516 Contraction Research Personnel 517 Contraction Research Personnel 518 Contraction Research Personnel 519 Contraction Research Personnel 510 Contraction Research Personnel 510 Contraction Research Personnel 510 Contraction Research Personnel 511 Contraction Research Personnel 511 Contraction Research Personn				Subtotal, ON SITE OVERHEADS	\$
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Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Other Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Building of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN  ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Locally Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Establishment of Site Facilities Establishment of Site Facilities Establishment of Temporary Services to Site Facilities Establishment of Temporary Services to Site Facilities Establishment of Temporary Services to Site Facilities Item Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals Item Information Management System (Tenderer to specify) Item Item Item Item Item Item Item Item					
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builts As Built Items: (Tenderer to specify)  Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN  Item  ONSITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment The Mobilisation of Interstate Based Plant and Equipment Establishment of Site Facilities Establishment of Temporary Services to Site Facilities Item The Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals Item Information Management System (Tenderer to specify) Item					
Other: (Tenderer to specify)  Independent Design Certification Ildependent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builtding of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Item  Subtotal, DESIGN   ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Plant and Equipment Stablishment of Site Facilities Telephone Site Design Certification Item The Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals  Item  Item  Item  Item  Other: (Tenderer to specify)  Item  Item  Item  Item  Item  Other: (Tenderer to specify)  Item					
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builtis As Building of the Works, including Survey and Documentation Other As Built Items: (Tenderer to specify)  T ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads If Mobilisation of Locally Based Personnel Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Plant and Equipment If Establishment of Site Facilities Item  Establishment of Temporary Services to Site Facilities Item  Item			Item		
Other: (Tenderer to specify)  Independent Design Certification Other Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builting of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Tourist Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN  Tourist OverRHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Mobilisation of Interstate Based Plant and Equipment Item  Number Item					
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builtis As Builti Items: (Tenderer to specify)  Ditem Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN \$  I ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Plant and Equipment  Non-Recurring On Site Overheads Mobilisation of Interstate Based Plant and Equipment	T6	Establishment of Temporary Services to Site Facilities	Item		
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builtiding of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN  T ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Locally Based Plant and Equipment Mobilisation of Locally Based Plant and Equipment  Non-Recurring On Site Overhead Equipment Mobilisation of Locally Based Plant and Equipment  Non-Recurring On Site Overhead Equipment  Non-Recurring Overhead Equipment  Non-Recurring Overhead Equipment  Non-Recurring Overhead Equipment  Non-Rec	T5	Establishment of Site Facilities	Item		
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builts As Built Item Other As Built Items: (Tenderer to specify)  T ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel Mobilisation of Interstate Based Personnel Mobilisation of Interstate Based Personnel  Non-Recurring On Interstate Based Personnel Nobilisation of Interstate Based Personnel Non-Recurring On Interstate Based Personnel Non-Recurring On Interstate Based Personnel Non-Recurring On Interstate Based Personnel Nobilisation of Interstate Based Personnel	T4		number		
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builts As Builtling of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  I ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel  Non-Recurring On Site Overheads Mobilisation of Locally Based Personnel	T3	Mobilisation of Locally Based Plant and Equipment	number		
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builting of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN  T ON SITE OVERHEADS (Site Specific) Non-Recurring On Site Overheads					
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builts As Building of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN \$  I ON SITE OVERHEADS (Site Specific)	T1		number		
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Other Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builting of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)  Subtotal, DESIGN \$		Non-Recurring On Site Overheads			
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification S17 Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Builting of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)	I	ON SITE OVERHEADS (Site Specific)			
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts S19 As Builting of the Works, Including Survey and Documentation Other As Built Items: (Tenderer to specify)				Subtotal, DESIGN	\$
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Building of the Works, Including Survey and Documentation  Item					
Other: (Tenderer to specify)  Independent Design Certification Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Other Construction Verification Items: (Tenderer to specify)  As Builts As Building of the Works, Including Survey and Documentation  Item					
Other: (Tenderer to specify)  Independent Design Certification  Independent Design Certification  Other Independent Design Certification ltems: (Tenderer to specify)  Construction Verification  Construction Verification  S17 Construction Verification  Other Construction Verification ltems: (Tenderer to specify)  As Builts			Item		
Other: (Tenderer to specify)  Independent Design Certification  Independent Design Certification  Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification  Construction Verification  Other Construction Verification Items: (Tenderer to specify)					
Other: (Tenderer to specify)  Independent Design Certification  S15 Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification Construction Verification Item					
Other: (Tenderer to specify)  Independent Design Certification  S15 Independent Design Certification Other Independent Design Certification Items: (Tenderer to specify)  Construction Verification					
Other: (Tenderer to specify)  Independent Design Certification  Independent Design Certification  Other Independent Design Certification Items: (Tenderer to specify)	S17		Item		
Other: (Tenderer to specify)  Independent Design Certification  Independent Design Certification  Item		Construction Verification			
Other: (Tenderer to specify)  Independent Design Certification  Independent Design Certification  Item	S16	Other Independent Design Certification Items: (Tenderer to specify)			
Other: (Tenderer to specify)  Independent Design Certification			Item		
		Independent Design Certification			
		, , , , , ,			
S13 Construction Phase Design Inspections and Penarting			Item		
Construction Phase Services	S13	Construction Phase Design Inspections and Penarting	Item		

U1	Off Site Overheads	%			
		l	Subtotal, OFF S	ITE OVERHEADS	\$ -
<u>v</u>	TENDERERS PROFIT MARGIN				
V1	Tenderers Profit Margin	%			
	1		Subtotal, TENI	DERERS MARGIN	\$ -
w	RISK				
W1	Risk	ltem			
	1		I	sal, OFF SITE OVERHEADS \$ tal, TENDERERS MARGIN \$ Subtotal, RISK \$ total, PROVISIONAL SUM \$	\$ -
<u>x</u>	PROVISIONAL SUM				
X1	Principal Controlled Allowance	Provisional			
	1	ı	Subtotal, PR	OVISIONAL SUM	\$ -

# SCHEDULE 19.3 SCHEDULE OF QUANTITIES AND PRICES XXCXXX Contract Title

# Site 3: Road Number Road Name, Description, Maintenance Markers

# SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item	Description	Amount	
No.	Description	(\$)	
Α	ENVIRONMENTAL WORKS	\$	
В	TRAFFIC MANAGEMENT	\$	
С	SERVICES	\$	
D	EARTHWORKS AND DEMOLITION	\$	
E	RETAINING WALLS	\$	
F	DRAINAGE	\$	
G	BRIDGES	\$	
н	TUNNELS	\$	
ı	PAVEMENTS	\$	
J	BITUMINOUS SURFACING / ASPHALT	\$	
K	SECONDARY PAVEMENTS	\$	
L	PAVEMENT MARKING	\$	
М	ROAD FURNITURE	\$	
N	LIGHTING	\$	
0	LANDSCAPING AND URBAN DESIGN	\$	
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$	
Q	RAIL	\$	
R	OTHER	\$	
s	DESIGN	\$	
Т	ON SITE OVERHEADS	\$	
U	OFF SITE OVERHEADS	\$	
v	TENDERERS PROFIT MARGIN	\$	
w	RISK	\$	
х	PROVISIONAL SUM	\$	
	TOTAL	\$	

#### SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of	Estimated	Rate	Amount
item No.	Description	Measurement	Quantity	\$	\$
A	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
A1	Sediment Ponds	number			
A2	Silt Fencing	metre			
А3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			
A14	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item			

A15	Other Permanent Environmental Works: (Tenderer to specify)				
		Su	 ubtotal, ENVIRONMENTAL WORKS	\$	
<u>B</u>	TRAFFIC MANAGEMENT				_
B1	Temporary Traffic Signage	Item			
B2	Temporary Variable Message Signs	Item			
ВЗ	Temporary Traffic Signals	Item			
B4	Temporary Lighting	Item			
B5	Temporary Traffic Barriers	Item			
B6	Provision of Traffic Management	Item			
B7	Maintenance of Traffic Control Measures	Item			
B8	Other Traffic Management Items: (Tenderer to specify)				
		Subtotal, TRAFFIC MANAG	EMENT AND TEMPORARY WORKS	\$	_
<u>c</u>	SERVICES				
C1	Identification and Location of Services	Item			
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item			
C3	Relocation of Services (Tenderer to specify by type and size)	Item			
C4	Protection of Services (Tenderer to specify by type and size)	Item			
C5	Provision of New Services: (Tenderer to specify)	Item			
C6	Other Services Works: (Tenderer to specify)				
	Т	<u> </u>	Subtotal, SERVICES	\$	
D	EARTHWORKS AND DEMOLITION				
	<u>Preparation Works</u>				
D1	Demolition of Existing Buildings, Structures and the like	Item			
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre			
D3	Tree Trimming	Item			
D4	Clearing and Grubbing of Nominated Trees	number			
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre			
D6	Stripping and Stockpiling of Topsoil Material	square metre			
D7	Dumping/Disposal Costs (Tenderer to specify)	tonnes			
D8 D9	Saw Cutting of Existing Pavement Other Preparation Works Items: (Tenderer to specify)	metre			
	Bulk Earthworks				
D10	Cut to Fill	cubic metre			
D11	Cut to Spoil	cubic metre			
D12	Import to Fill	cubic metre			
D13	Compliance Testing	Item			
D14 D15	Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)	tonnes			
D10					
D10	Detailed Earthworks				
D16	Cut to Fill	cubic metre			
D17	Cut to Spoil	cubic metre			
D18 D19	Import to Fill	cubic metre			
D19	Compliance Testing  Dumping/Disposal Costs /Tenderer to specify)	Item			
D20 D21	Dumping/Disposal Costs (Tenderer to specify)	tonnes			
D21	Subgrade Preparation all Areas Formation of Batters and Trimming	square metre			
D22 D23	Formation of Batters and Trimming Formation of Swale Drains	square metre			
D23 D24	Other Detailed Earthworks Items: (Tenderer to specify)	square metre			
	Surface Treatments				
D25	Respreading of Topsoil from Stockpile	square metre			
D26	Other Surface Treatments Items: (Tenderer to specify)				
					_
			EARTHWORKS AND DEMOLITION	l .	

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<u>E</u>	RETAINING WALLS				
_					
	Retaining Wall Type A				
E1	Tenderer to Detail Wall Type and Height	square metre			
E2	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Retaining Wall Type B				
E3	Tenderer to Detail Wall Type and Height	square metre			
E4	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Other Retaining Wall Items				
E5	Other Retaining Wall Items: (Tenderer to specify)				
	Subtotal, RETAINING WALLS				
		ı		·	*
<u> </u>	<u>DRAINAGE</u>				
_					
	<u>Drainage Demolition</u>				
F1	Tenderer to List and Detail all Drainage Demolition Items				
			1		
	Drainage Structures		1		
F2	Tenderer to List and Detail all Drainage Structures	number	1		
			1		
	Pipes and Box Culverts		1		
F3	Tenderer to List and Detail all Pipelines	metre			
	Kerbing				
F4	Tenderer to List and Detail all Kerbing	metre			
	Other				
F5	Other Drainage Items: (Tenderer to specify)				
			Sub	total, DRAINAGE	\$ -
	1	I	1	T	
<u>G</u>	<u>BRIDGES</u>				
	Temporary Works				
G1	Tenderer to List and Detail all Temporary Works Items				
	<u>Earthworks</u>				
G2	Tenderer to List and Detail all Earthworks Items				
	Reinforced Earth Walls				
G3	Tenderer to List and Detail all Reinforced Earth Wall Items				
	Piling				
G4	Tenderer to List and Detail all Pile Items				
			1		
	Cast In Situ Concrete				
G5	Abutment Items: (Tenderer to Specify)				
G6	Pile Cap Items: (Tenderer to Specify)		1		
G7	Pier Items: (Tenderer to Specify)		1		
G8	Deck Items: (Tenderer to Specify)		1		
G9	Approach Slab Items: (Tenderer to Specify)				
G10	Wing Wall Items: (Tenderer to Specify)				
G11	Headstock Items: (Tenderer to Specify)		1		
G12	Other Cast In-Situ Concrete Items: (Tenderer to Specify)		1		
			1		
	Structural Steel		1		
G13	Tenderer to List and Detail all Structural Steel Items		1		
			1		
	Bridge Deck Surfacing		1		
G14	Tenderer to List and Detail all Bridge Deck Surfacing Items		1		
			1		
	Bridge Lighting		1		
G15	Tenderer to List and Detail all Bridge Lighting Items		1		
			1		
	Other Bridge Items				
G16	Tenderer to List and Detail all Other Bridge Items				

			Su	btotal, BRIDGES	\$	
Н	TUNNELS					
H1	Mobilisation / Demobilisation of Tunnel Equipment and Activities					
H2	Excavation and Support (Tenderer to specify)					
H3	Tunnel Linings (Tenderer to specify)					
H4	Tunnel Drainage (Tenderer to specify)					
H5	Finishing Works (Tenderer to specify)					
H6	Tunnels Services (Tenderer to specify)					
H7	Ventilation Structures and Equipment (Tenderer to specify)					
H8	Control Buildings and Systems (Tenderer to specify)					
H9	Other Tunnel Items: (Tenderer to specify)					
113	Other fullifier treatile. (Telluleter to specify)					
	Subtotal, TUNNELS					
1	PAVEMENTS					
	Pavement Type A					
I1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre				
	Pavement Type B		1			
12	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre	1			
	Pavement Type C					
13	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre				
	Other Pavement Items					
14	Other Pavement Items: (Tenderer to specify)					
			Subto	tal, PAVEMENTS	\$	
Ī	BITUMINOUS SURFACING / ASPHALT					
_						
	Pavement Type A					
J1	Prime (Tenderer to specify including application rate)	square metre				
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre				
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)					
	Pavement Type B					
J4						
	Prime (Tenderer to specify including application rate)	square metre				
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre square metre				
		· ·				
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)	-				
J5 J6	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C	square metre				
J5 J6 J7	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate)	square metre				
J5 J6 J7 J8	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre				
J5 J6 J7	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate)	square metre				
J5 J6 J7 J8	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)	square metre				
J5 J6 J7 J8 J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items	square metre				
J5 J6 J7 J8	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)	square metre				
J5 J6 J7 J8 J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C  Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items	square metre square metre square metre	IMINOUS SUBTA	CING / ASPLIALT	4	
J5 J6 J7 J8 J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)	square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)	square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A	square metre square metre square metre Square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10 K	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer)	square metre square metre square metre  Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A	square metre square metre square metre Square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10 K	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre square metre square metre  Subtotal, BIT	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10  K K1 K2	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B	square metre square metre square metre  Subtotal, BIT  square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10  K K1 K2 K3	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B Footpath / Cycleway (Tenderer to specify by type and layer)	square metre square metre square metre  Subtotal, BIT  square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10  K K1 K2	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B	square metre square metre square metre  Subtotal, BIT  square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	
J5 J6 J7 J8 J9 J10  K K1 K2 K3	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Pavement Type C Prime (Tenderer to specify including application rate) Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)  Other Bituminous Surfacing / Asphalt Items Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)  SECONDARY PAVEMENTS Footpaths / Cycleway Type A Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)  Footpaths / Cycleway Type B Footpath / Cycleway (Tenderer to specify by type and layer)	square metre square metre square metre  Subtotal, BIT  square metre square metre square metre	UMINOUS SURFA	CING / ASPHALT	\$	

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			ı		
K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	Median Infill Type B				
K7	Median Infill (Tenderer to specify by type and layer)	square metre			
K8	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	Other Secondary Pavement Items				
K9	Other Secondary Pavement Items: (Tenderer to specify)				
		Sub	total, SECONDA	ARY PAVEMENTS	\$ -
L	PAVEMENT MARKING				
L1	Removal of Existing Markings and associated Devices	metre			
L2	Temporary Pavement Markings	metre			
L3	Longitudinal Markings	metre			
L4	Transverse Markings	square metre			
L5	Coloured Lane Markings	square metre			
L6	Kerb Painting	metre			
L7	Raised Pavement Markers	number			
L8	Audio Tactile Line Marking	metre			
L9	Other Pavement Marking Items: (Tenderer to specify)				
	3				
		<u> </u>	Subtotal, PAVE	MENT MARKING	\$ -
<u>M</u>	ROAD FURNITURE				
	Barriers				
M1	W-Beam Safety Barrier	metre			
M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre			
M3	TL-3 ET-SS Leading Barrier Terminal	number			
M4	Trailing Terminal - TL3	number			
M5	Terminal Ends - TL3	number			
M6	Removal of existing Safety Barrier	Item			
M7	Other Barrier Items: (Tender to specify)	item			
1-17	Other Burner Remis. (Tender to specify)				
	Fencing and Gates				
M8	Removal of Fencing and Gates	Item			
M9	Installation of new Fencing	metre			
M10	Installation of relocated Gates	number			
M11	Other Fencing and Gates Items: (Tenderer to specify)				
	Other Road Furniture Items				
M12	Other Road Furniture Items: (Tenderer to specify)				
			Subtotal, R	OAD FURNITURE	\$ -
N	LIGHTING				
N1	Demolition of Existing	Item			
N2	Temporary Lighting Poles, Footings etc	Item .			
N3	Footings (Tenderer to specify by type)	number			
N4	Single Outreach Poles (Tenderer to specify by type)	number			
N5	Double Outreach Poles (Tenderer to specify by type)	number			
N6	Luminaires (Tenderer to specify by type)	number			
N7	Conduit (Tenderer to specify by type and size)	metre			
N8	Pits (Tenderer to specify by type and size)	number			
N9	Switchboards (Tenderer to specify by type and size)	number			
N10	Testing and Commissioning  Other Lighting Items: (Tenderer to appoint)	Item			
N11	Other Lighting Items: (Tenderer to specify)				
	. <u>I</u>	<u> </u>	Sub	ototal, LIGHTING	\$ -
	LANDSCADING AND LIBRAN DESIGN		Sub	ototal, LIGHTING	\$ -
Q	LANDSCAPING AND URBAN DESIGN		Sub	ototal, LIGHTING	\$ -
<b>Q</b> 01 02	LANDSCAPING AND URBAN DESIGN  Landscaping Soils  Landscaping / Revegetation	cubic metre square metre	Suk	ototal, LIGHTING	\$ -

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	l.,	1 . 1			
03	Watering Systems	number			
04	Mulching	square metre			
O5	Maintenance of Landscaping (Tenderer to specify period)	Item			
06	Other Landscaping and Urban Design Items: (Tenderer to specify)				
		Subtotal, LAN	NDSCAPING AND	URBAN DESIGN	\$ -
<u>P</u>	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	· ·			
_					
	Traffic Signage	_			
P1	Removal of Existing Signage	Item			
P2	Road Signage (Tenderer to specify by type)	number			
P3	Guide Posts	number			
P4	Other Traffic Signage Items: (Tenderer to specify)				
	Traffic Signals & Controls				
P5	Removal of Existing Signals and ITS Infrastructure	Item			
P6					
	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number			
P7	Ducting (Tenderer to specify by size type)	metre			
P8	Loops	number			
P9	Testing and Commissioning of Traffic Signals & Controls	Item			
P10	Other Traffic Signals & Controls Items: (Tenderer to specify)				
	Intelligent Transport Systems				
P11	ITS and Signage Gantries (Tenderer to specify by type)	number			
P12	Intelligent Transport Systems (Tenderer to specify)	Item			
P13	Permanent ITS Signage (Tenderer to specify by size and type)	number			
P14	Testing and Commissioning of ITS Systems	Item			
P15	Other Intelligent Transport System Items: (Tenderer to specify)				
		ubtotal, TRAFFIC SIG	NAGE, SIGNALS	AND CONTROLS	\$ -
Q	RAIL	ubtotal, TRAFFIC SIG	NAGE, SIGNALS	AND CONTROLS	\$ -
Q		ubtotal, TRAFFIC SIG	NAGE, SIGNALS	AND CONTROLS	\$ -
<b>Q</b> Q1	RAIL	ubtotal, TRAFFIC SIG	NAGE, SIGNALS	AND CONTROLS	\$ -
	RAIL Trackwork		:NAGE, SIGNALS	AND CONTROLS	\$ -
Q1	RAIL Trackwork Removal of Existing Track	metre	HAGE, SIGNALS	AND CONTROLS	5 -
Q1 Q2	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify)	metre metre	NAGE, SIGNALS	AND CONTROLS	5 -
Q1 Q2 Q3	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping	metre metre metre	NAGE, SIGNALS	AND CONTROLS	5 -
Q1 Q2 Q3 Q4	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify)	metre metre metre	NAGE, SIGNALS	AND CONTROLS	5 -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)	metre metre metre	NAGE, SIGNALS	AND CONTROLS	5 -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify)	metre metre metre number metre	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify)	metre metre metre number metre Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify)	metre metre metre number metre Item Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	metre metre metre number metre Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer	metre metre metre number metre Item Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	metre metre number  metre ltem ltem	NAGE, SIGNALS	AND CONTROLS	5
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)	metre metre number  metre ltem ltem	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)	metre metre metre number metre Item Item Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items	metre metre metre number  metre Item Item Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify)	metre metre metre number  metre ltem ltem ltem ltem	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11 Q12 Q13 Q14	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify)	metre metre metre number  metre Item Item Item Item Item Item Item	NAGE, SIGNALS	AND CONTROLS	\$ -
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11 Q12 Q13 Q14 Q15	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify)	metre metre metre number  metre ltem ltem ltem ltem	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11 Q12 Q13 Q14	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify)	metre metre metre number  metre Item Item Item Item Item Item Item	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11 Q12 Q13 Q14 Q15	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify)	metre metre metre number  metre Item Item Item Item Item Item Item Ite	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q11 Q12 Q13 Q14 Q15 Q16	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify)	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q16	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)	metre metre metre number  metre Item Item Item Item Item Item Item Ite	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)  Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q16 Q17	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)  Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for	metre metre metre number  metre Item Item Item Item Item Item Item Ite	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21	RAIL Trackwork Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify) Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling)	metre metre metre number  metre Item Item Item Item Item Item Item Ite	NAGE, SIGNALS	AND CONTROLS	
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Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23	RAIL  Trackwork  Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)  Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling) Control Systems, Automatic Trail Protection Interlocking	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24	RAIL  Trackwork  Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)  Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solety for Signalling) Control Systems, Automatic Trail Protection Interlocking Trackside Installations for Signalling (Tenderer to specify)	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23	RAIL  Trackwork  Removal of Existing Track Rail Track Complete (Tenderer to specify) Tamping Turnouts, Crossovers, Actuators etc (Tenderer to specify) Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify) Overhead Traction Power Wiring (Tenderer to specify) Trackside posts, gantries and fitting (Tenderer to specify) Catenary Power Wiring and Tensioning Systems (Tenderer to specify) Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify) Substations (Tenderer to specify) High and Low Voltage Power Distribution (Tenderer to specify) Transformers for Supply to Overhead Wiring Trackside Installations for Power Distribution (Tenderer to specify) Other Power Supply and Distribution Items: (Tenderer to specify)  Signalling Removal of Existing Signalling Items Signal Plans, Control Tables and Signalling Design Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for Signalling) Control Systems, Automatic Trail Protection Interlocking	metre metre metre number  metre ltem ltem ltem ltem ltem ltem ltem lte	NAGE, SIGNALS	AND CONTROLS	

Q27	Other Signalling Items: (Tenderer to specify)			
	Rail Communications			
	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train			
Q28	Radio, SCADA, Trackside Installations for Rail Communications (Tenderer to specify)	Item		
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
Q30	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail Services	Item		
Q31	(Tenderer to specify) Other Combined Services Pouts Itams: (Tenderer to specify)			
QJI	Other Combined Services Route Items: (Tenderer to specify)			
	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities			
Q32 Q33	Stations (Tenderer to specify) Active Pedestrian Crossings (Tenderer to specify)	Item Item		
Q34	Interchanges (Tenderer to specify)	metre		
Q35	Car Parks (Tenderer to specify)	Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37	Stabling Buildings (Tenderer to specify)	Item		
Q38	Maintenance Facilities (Tenderer to specify)	Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
Q40	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items:			
	(Tenderer to specify)			
	Commissioning and Handover			
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43	Handover of Completed Facilities	Item		
Q44	Training of Operators and Management	Item		
Q45	Accreditation Costs Associated with Regulatory Approval	Item		
Q46	Other Commissioning and Handover Items: (Tenderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Dell Constitution			
	Other Rail Specific Works  Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger			
Q49	Movements (Tenderer to specify)	Item		
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
			Subtotal, RAIL	\$ -
R	OTHER			
R1	Other Items: (Tenderer to specify)			
111	Other results. (Tenderer to specify)			
			Subtotal, OTHER	\$ -
<u>s</u>	DESIGN			
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals Other: (Tandarar ta appoint)	Item		
S3	Other: (Tenderer to specify)			
	Design Gate 1 (e.g. 30%)			
S4	Design Package 1	Item		
S5	Independent Design Certification Package 1	Item		
S6	Other: (Tenderer to specify)			
	Design Gate 2 (e.g. 70%)			
S7	Design Package 1	Item		
S8	Independent Design Certification Package 1	Item		
S9	Other: (Tenderer to specify)			
S10	Design Gate 3 (e.g. IFC) Design Package 1	ltom		
510	Design Package 1 Independent Design Certification Package 1	Item Item		
S11	Independent Design Certification Package 1			

	lou of the control of	1	I i	
S12	Other: (Tenderer to specify)			
	Construction Phase Services			
S13	Construction Phase Design Inspections and Reporting	Item		
S14	Other: (Tenderer to specify)			
	Independent Design Certification			
S15	Independent Design Certification	Item		
S16	Other Independent Design Certification Items: (Tenderer to specify)			
	Construction Verification			
S17	Construction Verification	Item		
S18	Other Construction Verification Items: (Tenderer to specify)			
	As Builts			
S19	As Building of the Works, Including Survey and Documentation	Item		
S20	Other As Built Items: (Tenderer to specify)			
			Subtotal, DESIGN	\$
I	ON SITE OVERHEADS (Site Specific)			
	Non-Recurring On Site Overheads			
T1	Mobilisation of Locally Based Personnel	number		
T2	Mobilisation of Interstate Based Personnel	number		
T3	Mobilisation of Locally Based Plant and Equipment	number		
T4	Mobilisation of Interstate Based Plant and Equipment	number		
T5	Establishment of Site Facilities	Item		
T6	Establishment of Temporary Services to Site Facilities	Item		
T7	Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals	Item		
T8	Information Management System (Tenderer to specify)	Item		
T9	CITB Levy	Item		
T10	Other Non-Recurring On-Site Overhead Items: (Tenderer to specify)			
	Recurring On Site Overheads			
T11	Project Manager	weeks		
T12	Contract Manager	weeks		
T13	Site Engineer	weeks		
T14	Contractors Design Manager	weeks		
T15	Quality Manager	weeks		
T16	Construction Manager	weeks		
T17 T18	Site Supervisor	weeks		
	Safety Representative	weeks		
T19 T20	Environmental Representative  Document Controller	weeks weeks		
T21	Consultants	weeks		
T22	Community and Stakeholder Requirements and Management	weeks		
T23	Site Vehicles, Plant, Equipment, Scaffolding and Small tools etc.	weeks		
T24	Site Accommodation Running, Services and Expenses	weeks		
T25	Safety, Training, Inductions and PPE etc.	weeks		
T26	Testing Requirements	weeks		
T27	Survey Requirements	weeks		
T28	Other Recurring On-Site Overheads Items: (Tenderer to specify)			
TC:	<u>Demobilisation</u>			
T29	Demobilisation of Plant. Equipment and Personnel	Item		
T30	Dis-Establishment of Site Facilities Complete	Item		
T31	Site Clean-Up	Item		
T32 T33	Contract Works Maintenance Other Demohilisation Items: /Tenderer to specify)	Item		
133	Other Demobilisation Items: (Tenderer to specify)			
	Industry and Workplace Participation and Skills Development			
T34	Industry Participation Planning and Reporting as Per The Contract Requirements	Item		
T35	Upskilling and Training Including The Planning and Reporting as Per The Contract	Item		
100	Requirements	item		
	Other Industry and Workplace Participation and Skills Development Items (Tenderer to			
T36	Specify)	i	1	
T36	ореспу)			
T36	Specify)			

# OFFICIAL: Sensitive

ū	OFF SITE OVERHEADS					
U1	Off Site Overheads	%				
						$\dashv$
			Subtotal, OFF S	ITE OVERHEADS	\$ -	
<u>v</u>	TENDERERS PROFIT MARGIN					
V1	Tenderers Profit Margin	%				
						_
			Subtotal, TEND	DERERS MARGIN	\$ -	
w	RISK					
W1	Risk	Item				
				Subtotal, RISK	\$ -	
<u>x</u>	PROVISIONAL SUM					
X1	Principal Controlled Allowance	Provisional				
			Subtotal, PR	OVISIONAL SUM	\$ -	

# SCHEDULE 20 SCHEDULE OF DELAY COSTS

# XXCXXX Contract Title

All rates shall be exclusive of GST.

Delay Costs are for project recurring on site overheads only.

Table 20.1	Delay costs per business day for whole of Works (\$)
A1 - Delay costs for delay in access to the Site	\$0.00
A2 - Delay costs for delay other than in access to the Site	\$0.00
Number of Working days on which the tender is based:	0

#### DESCRIPTION OF DELAY COSTS (ON SITE OVERHEADS ONLY)

Table 20.2	Description of Costs included in the Delay Rates in table 20.1 above
A1 - Delay costs for delay in access to the Site	X
A2 - Delay costs for delay other than in access to the Site	X

Examples of recurring on site overhead costs prior to access to site (A1): This includes, but is not limited to, items such as rent and maintenance of head office or other office accommodation during start up and prior to site access / Project Management and other staff prior to site establishment / etc.

**Examples of recurring onsite overheads following access to site (A2):** This includes but is not limited to, items such as staff costs and associated expenses (e.g. project manager, engineers, supervisors, etc) / site vehicles / survey /general plant, equipment and small tools not costed to specific direct cost work items / recurring site security/ recurring site facility costs (i.e. shed hire) / etc.

# SCHEDULE 21 SCHEDULE OF RATES FOR VARIATIONS

# **XXCXXX Contract Title**

# ALL ITEMS SHALL BE LISTED AND SHALL BE EXCLUSIVE OF GST

	Description	Unit of	Rate
	Description	Measurement	\$
Α	UNBOUND PAVEMENTS		
A1	150mm PM1/20QG	m2	
A2	200mm PM1/20QG	m2	
А3	150mm PM2/20QG	m2	
A4	200mm PM2/20QG	m2	
A5	325mm PM2/20QG	m2	
A6	Other - Tenderer to nominate		
В	SPRAY SEAL		
B1	S20E binder at 1.0 L/m2	m2	
B2	14mm screenings @ 100m2/m3	m2	
В3	S20E binder at 0.6 L/m2	m2	
B4	Seal C170	m2	
B5	7mm screenings @ 170m2/m3	m2	
В6	Other - Tenderer to nominate		
С	Other: (Tenderer to Specify)		
C1	Other - Tenderer to nominate		

# SCHEDULE 22 SCHEDULE OF RATES FOR DAYWORKS

# XXCXXX Contract Title

# ALL RATES ARE EXCLUSIVE OF GST

# **LABOUR**

CLASSIFICATION	Rate (\$) per hour
Project Manager	•
Design Manager	
Structural / Civil Engineer	
Site Engineer	
Contract Administrator	
Supervisor	
Survey Officer	
Survey Assistant	
Leading Hand	
Welder	
Concreter	
Steel fixer	
Labourer	

**PLANT** (Rates for plant are all inclusive, e.g. inclusive of operator, fuel, maintenance etc).

ITEM	DESCRIPTION (Make, Year, Model)	Rate (\$) per hour
<u>Excavators</u>		
Class 20		
Class 25		
Class 40		
Loaders (rubber tyred)		
Tenderer to specify		

Tenderer's signature	Date	DIT XXCXXX	Page 56

Backhoes Tenderer to specify  Compaction Equipment Three wheel steel drum Tandem, smooth drum vibrating roller - Class 5 Tandem, smooth drum vibrating roller - Class 10 Tandem, smooth drum vibrating roller - Class 12.5 Vibrating plate (small e.g. paving type) Vibrating plate (large e.g. BPU3345) Plate compactor (e.g. "Wacker")  Water Cart  Truck Tenderer to specify
Compaction Equipment  Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Compaction Equipment  Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Compaction Equipment  Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Compaction Equipment  Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Compaction Equipment  Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
Three wheel steel drum  Tandem, smooth drum vibrating roller - Class 5  Tandem, smooth drum vibrating roller - Class 10  Tandem, smooth drum vibrating roller - Class 12.5  Vibrating plate (small e.g. paving type)  Vibrating plate (large e.g. BPU3345)  Plate compactor (e.g. "Wacker")  Water Cart
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vibrating roller - Class10 Tandem, smooth drum vibrating roller - Class 12.5 Vibrating plate (small e.g. paving type) Vibrating plate (large e.g. BPU3345) Plate compactor (e.g. "Wacker")  Water Cart  Truck
vibrating roller - Class 12.5 Vibrating plate (small e.g. paving type) Vibrating plate (large e.g. BPU3345) Plate compactor (e.g. "Wacker") Water Cart
Vibrating plate (small e.g. paving type) Vibrating plate (large e.g. BPU3345) Plate compactor (e.g. "Wacker") Water Cart
Vibrating plate (large e.g. BPU3345) Plate compactor (e.g. "Wacker")  Water Cart  Truck
Plate compactor (e.g. "Wacker")  Water Cart  Truck
Water Cart Truck
<u>Truck</u>
Tenderer to specify
<u>Crane</u>
Tenderer to specify
<u>Light Vehicle</u>
Tenderer to specify
<u>Miscellaneous</u>
Tenderer to specify

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# SCHEDULE 23 PUBLISHED LIST SELLING PRICES FOR BITUMINOUS PRODUCTS

# XXCXXX Contract Title

# ALL RATES ARE EXCLUSIVE OF GST

		SUPPLIER	PRICE
1	The supplier and published list selling price for C170 bitumen is		
2	The supplier and published list selling price for C320 bitumen is		
3	The supplier and published list selling price for polymer is		
4	The supplier and published list selling price for crumb rubber is		
5	The supplier and published list selling price for cutter is		

# SCHEDULE 24 WORKING TIMES

#### **XXCXXX Contract Title**

 $I/We\ propose\ to\ observe\ the\ following\ working\ days\ and\ hours, vide\ Clause\ "Working\ Days\ and\ Hours\ of\ Work"$ 

<u>Working</u>	g Da	ys and	Hours

Number of days to be worked per week

X Days

Number of hours to be worked per da Tenderer to nominate within the following table

Calendar Name	Working Times	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Number of hours to be worked per day (Hours)	Х	X	Х	Χ	Х	Х	Х
ABC-123	Starting Time (AM)	Υ	Υ	Y	Y	Y	Y	Y
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z
BCD-234	Number of hours to be worked per day (Hours)	X	X	Х	Χ	X	Х	Х
	Starting Time (AM)	Υ	Υ	Y	Y	Y	Y	Y
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z
CDE-345	Number of hours to be worked per day (Hours)	Х	X	Х	Х	Х	Х	Х
	Starting Time (AM)	Υ	Υ	Y	Υ	Υ	Υ	Υ
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z

Rostered Days Off

Proponent to nominate

XX/XX/XXXX XX/XX/XXXX

XX/XX/XXXX

Note: Working hours need to make allowance for breaks

Tenderer's signature	Date	DIT XXCXXX	Page 59

# SCHEDULE 25 NOMINATED CONTRACTOR'S PERSONNEL

# XXCXXX Contract Title

**Brief Description** 

Tenderers are to provide a list of the resources allocated including:

a) Key Personnel nominated to the project as per Project Scope Section 3.1 Project Management;

Job Title

b) Back up Resources.

**Key Nominated Personnel** 

Back up Resources	Job Title	Brief Description	

# SCHEDULE 26 STANDARD INDUSTRY PARTICIPATION PLAN

# **XXCXXX Contract Title**

Tenderers must complete an Industry Participation Plan (IPP) online at: <a href="https://www.saipp.sa.gov.au">www.saipp.sa.gov.au</a>

Tenderers must submit a copy of the completed IPP with the tender.

Guidelines and templates are also available to assist tenderers to understand the detail and information required to meet Industry Participation Policy requirements.

For further assistance with completing the form, please contact the following:

Phone: (08) 8226 8956 Email: oia@sa.gov.au

Address: Level 17, 30 Wakefield Street (Wakefield House) Adelaide, 5000

# SCHEDULE 27 APPROACH TO TASK AND METHODOLOGY

# XXCXXX Contract Title

Tenderers are to provide:

- 1) Construction methodology inclusive of proposed staging of works, also showing schematic traffic diagrams for each stage individually and construction of pavement layers and edge joint;
- 2) Detailed Program of Work showing critical path for each Milestone;
- 3) Estimated quantities (in tonnes) of each type of pavement material required for the works for each project location;
- 4) Meeting environmental and quality requirements; and
- 5) Deadlines specified in Contract Scope Section 6.1 and Contract Information are met.

Note: Nothing written within or implied from the approach to methodology shall qualify any part of a Principal's documents, unless approved by the Principal.

# SCHEDULE 28 APPROACH TO DESIGN

# **XXCXXX Contract Title**

Tenderer to provide approach to design including, but not limited to:

- 1) Details of and availability of nominated design partner;
- 2) Approach to design management;
- 3) Managing the design consultant(s);
- 4) Design review process including independent design verification; and
- 5) Integration of constructability into the design.

Note: Nothing written within or implied from the approach to methodology shall qualify any part of a Principal's documents, unless approved by the Principal.



# [Revised] Work Order Request Contract Documents

XXCXXX Contract Title

\*These Contract Documents will form part of the Contract if preferred.

Revision No. 1

# OFFICIAL: Sensitive

# SCHEDULE CHECKLIST FOR WORK ORDER REQUEST

For each item please tick the box to indicate that the Schedule has been completed in accordance with Conditions of Tendering Annexure A and included with your tender submission. The Department's Conditions of Tendering are available at: <a href="https://www.dit.sa.gov.au/contractor">https://www.dit.sa.gov.au/contractor</a> documents/request for tender templates2

The following Contract Schedules MUST be submitted in Excel format and may also be provided in PDF format

Schedule No.	Title	
	MW21 Contract Information	
S3	Contract Price	
S3.1	Site 1: Road Number Road Name, Description, Maintenance Markers	
S3.2	Site 2: Road Number Road Name, Description, Maintenance Markers	
S3.3	Site 3: Road Number Road Name, Description, Maintenance Markers	
S4	Industry Participation Plan*	
S6	Tender Form & Declaration	
S8	Principal's Requirements	
S8.1	Relevant Department Master Specification	
S9	Separable Portion A	
S9.2	Separable Portion A	
S11	Schedule of Delay Costs	
S12	Schedule of Rates for Variations	
S13	Schedule of Rates for Dayworks	
S14	Working Times	
S15	Key Contractor's Personnel	
S22	Approach to Task	

#### **CONTRACT INFORMATION**

#### To be read in conjunction with the MW21 (December 2024 Version).

Contract Information are not to be amended by the Tenderer except for Items 6, and 19.

Item 1 Authorised Person

The Authorised Person is:

Person occupying the position of:
Director, Contract Management

Office address: Level 8, 83 Pirie Street, Adelaide SA 5000

Postal address: GPO Box 1533, Adelaide SA 5000 (for delivery by post)

e-mail address: harold.carn@sa.gov.au

The Principal may for any reason and at any time change the Authorised Person by giving notice in writing.

Item 2 Purpose of the Works

The purpose of the Works is:

If no purpose is stated, then the purpose of the Works is as reasonably inferred from the Contract Documents.

Item 3 Milestones

Milestone 1:

and all of the work and obligations under the Contract not included in any other Milestone.

Item 4 Post Completion Period

Milestone 2:

The Post Completion Period, which starts when the work under the Contract reaches Completion, is:

If no time is stated, then no Post Completion Period applies.

OR

The Post Completion Period, which starts when Milestone [insert] reaches Completion, is:

If no time is stated, then no Post Completion Period applies.

OR

The Post Completion Periods for the Milestones are:

Milestone 1: Milestone 2:

Milestone »:

If no time is stated for a Milestone, then no Post Completion Period applies to that Milestone.

Item 5 Contract Price

The Contract Price (which is inclusive of GST) at the Date of Contract: Refer to the Tender Form of the Work Order Offer

The basis of payment is:

(Lump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates)

Lump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates

Item 6 Senior Executives

The Principal's Senior Executive is: Executive Director, Commercial and Contract Management

Where specified, documents must be copied to the Principal's Senior Executive at the address or number shown here.

Office address:
(for delivery by hand)

Postal address:
(for delivery by post)

GPO Box 1533, Adelaide SA 5000

e-mail address: <u>brian.roche@sa.gov.au</u>

The Principal may for any reason and at any time change its Senior Executive by giving notice in writing.

The Contractor's Senior Executive is: [Contractor to insert details]

Where specified, documents must be copied to the Contractor's senior executive at the address or number shown here.

Office address:
(for delivery by hand)

Postal address:
(for delivery by post)
e-mail address:

[Contractor to insert details]

[Contractor to insert details]

The Contractor may for any reason and at any time change its Senior Executive by giving notice in writing.

Item 7 Extent of Design

Must the Contractor carry out all design necessary in connection with the Works? [insert Yes or No]

Must the Principal carry out all design necessary in connection with the Works? [insert Yes or No]

Must the Contractor complete the design provided by the Principal? [insert Yes or No]

Item 8 Design Documents

The time to submit the completed design is:

Not applicable. The Contractor need not submit the completed design.

OR

The time to submit the completed design is: [insert] Days before it is to be used for construction.

If no time is stated, then it is 7 Days before the completed design is to be used for construction.

Item 9 Works and Public Liability Insurance

Works Insurance

Insurance of the Works to be arranged by: the Principal

Minimum Cover is: The Contract Price

**Public Liability Insurance** 

Insurance of the Works to be arranged by: the Contractor

10,000,000 if the Contract Price is 10,000,000 or less and in any case, the above amount is per Minimum Cover is:

occurrence and in aggregate

Where the Principal is required to arrange insurance, information about those Principal arranged insurance policies are set out in Schedule 10.

Marine Liability and Professional Indemnity Insurance

Marine Liability

Is a marine liability insurance policy to be held by the Contractor and/or relevant subcontractors?

Minimum Cover is:

Professional Indemnity

» Yes/No Is a professional indemnity insurance policy to be held by the Contractor and/or relevant subcontractors? ("No" applies if not filled in)

\$5,000,000 if the Contract Price is \$5,000,000 or less, and in any case, the above amount is per

occurrence and in aggregate. Minimum Cover is:

Item 11 Site Access

Within [insert] days after release of the Pre-Commencement Hold Points The time to give access to the Site is:

The times to give access to the Site are:

Milestone 1: Milestone 2:

Milestone »

days after the Date of Contract.

Item 12 Date or time for Completion

The date or time for Completion is:

OR

The dates or times for Completion are:

Milestone 1: Milestone 2: Milestone »:

[insert] calendar weeks from the date of the Date of Contract.

List approvals that have been obtained or will be obtained by the Principal e.g. Vegetation removal, aboriginal heritage, land acquisition, service relocation

[insert] calendar weeks from the Date of Contract.

[insert] calendar weeks » [insert] calendar weeks »

**Delay Costs** Item 13

The rate per day for delay costs is:

\$[insert], except for delay that occurs after Completion of Milestone [insert] when the rate per day is The rate per day for delay is:

\$[insert]

Item 14 Liquidated Damages

The rate per day for liquidated damages is:

If no rate or "Nil" or "0" or "N/A" is stated, then common law damages apply.

The rate per day for liquidated damages is:

Milestone 1: Milestone 2

Milestone »:

If no rate is stated for a Milestone, then common law damages apply for that Milestone.

Item 15 Payment Claims

Payment claims are to be made: OŘ

A payment claim is to be made:

Payment claims are to be made:

Payment claims are to be made:

For Milestones », », »:

For Milestones », », »:

OR

monthly, on the first Business Day of each calendar month.

when Completion is reached.

when Completion of each Milestone is reached.

monthly, on the first Business Day of each calendar month.

[insert] % Complete;

[insert]% Complete; [insert]% Complete; and when Completion is reached.

Item 16 Security

Is the Contractor required to provide a Completion Undertaking and Post Completion Undertaking?

[2% of the Contract Price (excluding GST) at the Date of Contract.]

[1% of the Contract Price (excluding GST) at the Date of Contract.] The amount of the Post Completion Undertaking is?

A retention amount equal to 5% of the Contract Price.

The amount of the Completion Undertaking is?

Yes/No

DIT XXCXXX

#### Item 17 Compliance with SA Government Guidelines

A - Work Health and Safety

Is the Contractor appointed as principal contractor? Yes/No

**B** – Industry Participation Policy

Is the Contractor required to implement an Industry Participation Plan? Yes/No

Item 18 Contractor's Margin

A - Site Conditions

Margin on reasonable additional Direct Costs of dealing with adverse Site Conditions. 10%

**B** – Variations

Margin on Variation involving additional work. 10%

C - Suspension

Margin on costs of suspension. 10%

D – Provisional Sum

Margin on Provisional Sum.

Item 19 Contractor's Representative

The Contractor's Representative is:

Office address:(for delivery by hand)

Postal address:(for delivery by post)

e-mail address:

(Contractor to inser't details)

Contractor to inser't details)

e-mail address:

(Contractor to inser't details)

The Contractor may for any reason and at any time change the Contractor's Representative by giving notice in writing.

#### DIT TENDER SCHEDULE RULES & STANDARD WORK BREAKDOWN STRUCTURE

# TENDER PRICING SCHEDULE RULES

Tenderers are responsible for the completion of all schedules and ensuring the accuracy of any applicable formulas, the following rules are to be adhered to:

Alphabetic characters used at heading levels must be retained (e.g. item P must remain as 'Traffic Signage, Signals and Controls'), where no relevant items form part of the work headings are to be retained and N/A entered

Numbering of individual items must commence using the assigned alphabetic character for that section and be sequential throughout the schedule, e.g. C1, C2, C3

Line items detailed within the example schedule are considered as the minimum level to which quantities and pricing is to be provided, these example items are not to be combined. Additional line items are to be provided where the schedule requests/as appropriate in these AND in other sections generally.

The 'Unit of Measurement' provided in the schedule template must remain where that schedule item is used. For additional line items entries the unit of measurement applied must be appropriate and as is typically adopted by industry. 'Item' is not acceptable where there is another applicable Unit of Measurement.

The total of the priced items has to include everything necessary to provide all works under the contract and ensure that all formulas applied within this document to arrive at their final tendered amount are correct.

#### DIT WORK BREAKDOWN STRUCTURE

Item No. Description

# <u>A</u> <u>ENVIRONMENTAL WORKS</u>

# Temporary Environmental Works

Temporary environmental works during construction, such as retention, detention and sedimentation ponds, monitoring, screens, filtering, maintenance of same during construction, protection, preservation & monitoring of Aboriginal sites, protection of flora, fire prevention, waste disposal, dieback and dust control

Noise, vibration, water quality monitoring etc

Pre and post construction property inspections

#### Permanent Environmental Works

Permanent environmental works, such as retention, detention and sedimentation ponds, monitoring, screens, filtering etc. and maintenance of same for the stipulated contract period.

Provision of fauna habitats, underpasses, overpasses, culverts/tunnels, rope crossings, poles and the like

Noise Barriers, temporary and permanent, including specific noise walls, attenuation measures such as mounds, tree planting where noise attenuation is required.

Property adjustment works, e.g. noise attenuation measures (double glazing, additional insulation etc.)

#### **B** TRAFFIC MANAGEMENT

# Traffic Management

Temporary traffic management measures including temporary signage (fixed and variable), temporary lighting (unless poles and bases apply, then include within Lighting), personnel and barriers for protection of public, traffic and property

# **<u>C</u> SERVICES**

Temporary or permanent diversion, relocation or protection of public utilities including (but not limited to) power, communications, gas, water and sewer

Relocation of major public utility infrastructure, such as substations, pump stations, and other fixed utility assets to enable the main works to proceed

Provision of new service runs, associated valves, chambers etc

Note: Each service type is to be separately detailed, sized and priced

#### **<u>D</u>** EARTHWORKS AND DEMOLITION

Earthworks includes the formation of the required lines and levels of the new works, such as:

- Establishment & reinstatement of embankment or road material borrow pits
- Site preparation and clearing, top soil removal, demolition or adjustment of structures (above and below ground, acquired properties etc.), decontamination
- Dewatering
- Excavation to sub-grade levels
- Filling, including cut to fill and imported filling to sub-grade levels
- Ground improvement, including stabilisation and pre-loading activities
- Replacement of unsuitable material
- Foundation treatment
- Formation of batters and trimming
- Spoil handling, storage and disposal activities, including appropriate licences if required
- Associated testing, e.g. material, compaction, contamination etc.

#### **E RETAINING WALLS**

Includes all types of retaining walls, such as:

- Demolition and/or adjustment of existing retaining walls
- Reinforced earth and soil nailed walls, including detailed excavation and backfill
- Cantilever walls, including detailed excavation
- Crib or interlocking walls, including detailed excavation and backfill
- Post and panel walls, including all excavation, structural elements and finishing treatments
- Diaphragm walls, including excavation activities and structural elements
- Shotcrete including all preparation, reinforcement, placement etc

Note: Excavation includes the costs of spoil disposal for the respective element

Note: Where the above items relate specifically to a bridge structure they are to be included within section G

#### **F DRAINAGE**

Includes the following items of work

- Removal or making safe redundant drainage items
- Box and pipe culverts, including excavation, bedding and backfill, compaction testing
- New or existing altered structural elements (pits, junctions, headwalls etc.) and gabion matting/outfall structures, rock protection or equivalent treatments
- Floodways (cut off/toe walls etc)
- Specific filter layers (excluding where part of a pavement design)
- Kerbing (all types), spoon drains, pedestrian ramps, property crossovers
- Gross pollutant traps, treatment facilities, and the like
- CCTV inspection of drainage network

#### **G** BRIDGES

All bridge construction activities, for all methods including, but not limited to:

- Demolition or adjustment of existing bridges
- Temporary Works: Edge protection barriers, scaffolding
- Earthworks: Detailed excavation, backfilling, disposal of excess spoil
- Reinforced Earth Walls: Strip footing, facing units, capping beam, backfill, monitoring instrumentation
- Piling: Piles by type, diameter and length
- Cast In Situ Concrete: For each of the Abutments, Pile Caps, Piers, Deck, Approach Slab, Wing Walls, Headstock and Other items, where applicable specify details of blinding, concrete, reinforcing, formwork, jointing, block outs and the like

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Tenderer's signature	Date	DIT XXCXXX	Page 8

#### OFFICIAL: Sensitive

- $\hbox{-} Structural Steel: Girders, throw screens, handrails, barriers, walkways$
- Bridge Deck Surfacing: By type and thickness
- Bridge Lighting: Road, pedestrian and feature lighting components
- Other Bridge Items

Note: For projects with more than one bridge pricing of each bridge is to be provided separately

# **H** TUNNELS

All tunnel construction activities, for all methods including, but not limited to:

- Demolition or adjustment of existing tunnels
- Mobilisation / demobilisation of tunnel equipment and activities
- Excavation and support
- Tunnel linings
- Tunnel drainage
- Finishing works
- Tunnels services
- Ventilation structures and equipment
- Control buildings and systems

Note: Pricing for each pavement type is to be provided separately using specific pavement type headings, including individual items for components such as specific shoulder treatments, diversion roads (where applicable) and the like

# <u>I</u> <u>PAVEMENTS</u>

Sub-bases and pavement works for the various pavement solutions, including but not limited to:

- Working platform layers
- Unbound sub-base layers
- Unbound base course layers
- Cement stabilisation
- Associated testing, e.g. material, compaction etc.

Note: Pricing for each asphalt type is to be provided separately using specific asphalt type headings, including individual items for components such as specific shoulder treatments, diversion roads (where applicable) and the like

#### J BITUMINOUS SURFACING / ASPHALT

Upgrades to existing pavements, including planing of existing and new wearing surfaces

Bituminous works for the various pavement solutions, including but not limited to:

- Bound sub-base layers
- Bound base layers
- Bound wearing course layers (asphalt, spray seal etc.)
- Associated testing

Note: Pricing for each asphalt type is to be provided separately using specific asphalt type headings

# **K** SECONDARY PAVEMENTS

Footpaths and cycleways (concrete, asphalt, paved including associated sub-base and base course layers, testing etc.)

Tactiles

Provision of new and/or alteration of existing property accesses/driveways

Median infill (concrete, rubble)

Concrete roundabout annulus (including associated sub-base and base course layers, testing etc.)

Concrete bus bays (including associated sub-base and base course layers, testing etc.)

# <u>L</u> <u>PAVEMENT MARKING</u>

Removal of existing markings and associated devices

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Tenderer's signature	Date	DIT XXCXXX	Page 9

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Temporary pavement markings, installation and removal

Longitudinal markings: Lane lines, edge lines, barrier lines, clearway lines etc.

Transverse markings: Chevrons, arrows, symbols, messages, rail box hatchings etc.

Coloured bus and cycle lane markings etc.

Kerb painting

Raised pavement markers: Removal of existing, supply and installation of new

Audio-tactile line marking

Other pavement marking items: Pavement bars etc.

# M ROAD FURNITURE

Guardrail and associated terminals: w-beam, wire rope etc.

Bus stops/shelters (new, relocation, modification)

Fencing: pedestrian, property

Rest area and/or street furniture and amenities: bins, tables, shelters, toilets etc.

Bike storage areas (unless associated with rail station)

Car park wheel stops

Cattle Grids (and where necessary clearing of them as a separate item)

Removal/demolition of the above items

# N LIGHTING

Demolition of existing lighting infrastructure, removal or filling of existing conduits

Temporary lighting (if poles and bases etc apply)

Light pole footings

Single, double and quad outreach poles (including combo poles)

Luminaires

Pedestrian lighting

Feature lighting

Ducting/conduit

Pits

Switchboards

Testing and Commissioning

#### O LANDSCAPING AND URBAN DESIGN

Landscaping Soils

Minor earthworks/formation works

Landscaping / revegetation: trees, grasses, shrubs, turf etc.

Watering Systems

Mulching

Erosion control of landscaping works

Landscape drainage, including associated subsurface drainage

Seed collection

Propagation and nursery storage

Public realm furniture

Feature lighting

Public art

Traffic control and service locations where considered likely as a result of landscaping works occurring beyond the extent of the main project

Maintenance of plantings (e.g. weed control, watering etc.) and hard elements (e.g. graffiti removal) for a given period of time after construction, including traffic control, access equipment, safety requirements etc where this occurs after completion of construction works

# P TRAFFIC SIGNAGE, SIGNALS AND CONTROLS

•••••			
Tenderer's signature	Date	DIT XXCXXX	Page 10

#### OFFICIAL: Sensitive.

#### Traffic Signage

Removal of existing signage

Road signage

Wayfinding signage

Guide posts

Bollards

Pedestrian/bike holding rails

#### **Traffic Signals & Controls**

Removal of existing signals and ITS infrastructure

Traffic signals, poles and associated infrastructure (Note: combo poles are to be included within 'N - Lighting')

Ducting

Loops

Testing and Commissioning of Traffic Signals & Controls

# Inte<u>lligent Transport Systems</u>

ITS and signage gantries

Intelligent transport systems

Permanent ITS signage: variable message, speed limit, lane status etc.

Testing and Commissioning of ITS Systems

#### Q RAIL

#### Trackwork

Rail track complete: ballast, sleepers, rail, rail fittings, track laying, tamping, grinding

Acoustic rail track: track slab, acoustic or vibrating track, track laying, grinding

Turnouts, crossovers, actuators, check points etc. associated with rail installation

Buffer stops including sliding friction, hydraulic and fixed stops

Slewing or adjustment of existing rail track

Removal and disposal of existing track

# **Overhead Wiring and Poles**

Overhead traction power wiring including all associated support structures, catenary wiring and power supply

Trackside posts, gantries and fitting associated with the support of over track wiring

Catenary and power wiring and associated tensioning systems within or outside of tunnels

Transformers, switchgear, insulators, earthing, bonding, registration equipment

Undertrack crossings for overhead wiring installation

Removal of existing wiring and poles

#### Power Supply and Distribution

Incoming raw supply to substations

Substations

High and low voltage power distribution

Transformers for supply to overhead wiring

Trackside installations for power distribution

Removal of existing power supply and distribution items

#### Signalling

Signal plans, control tables and design directly associated with signalling

Mechanical and civil works where associated with signalling installation, including the services route where solely for signalling

Control systems, automatic trail protection and control

Interlocking

Trackside installations associated with Signalling, including location cases, track circuits, axle counters, signal posts and signals, compressed air systems, ground frames, under track crossings, and other line side items

Signalling power supply from substation or transformer

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Tenderer's signature	Date	DIT XXCXXX	Page 11

#### OFFICIAL: Sensitive.

Signal boxes and buildings

Removal of existing signalling items

#### Rail Communications

Public address systems, CCTV, passenger information systems, precise clocks, train radio, SCADA, trackside installations for rail communications

Removal of existing communications items

#### **Combined Services Route**

Excavation, backfilling, conduits, pits and markers to provide a trunk route for rail services

Removal of existing combined services route items

#### Stations, Interchanges, Buildings, Stabling and Maintenance Facilities

Above ground stations including all associated components (platforms, vertical transport etc)

Below ground stations including all associated components (in particular excavation and support)

Active Pedestrian Crossings

Transport Interchanges, including structures, road pavements, lighting, vertical transport, signage etc

Car parks (at grade and multi level), complete including associated access roads, controls, entry/exit boom gates

Rail administration buildings

Stabling buildings

Maintenance facilities

Cleaning facilities

Driver amenities

Public amenities

Ticketing systems

Bike storage lockers / buildings

Other related buildings

#### **Commissioning and Handover**

Testing and commissioning of component and integrated systems

Overall commissioning of integrated systems

Handover of completed facilities

Training of operators and management

Accreditation costs associated with regulatory approval

#### Rolling Stock

Design, procurement, delivery and commissioning

# Other Rail Specific Works

Alternative commuter costs: bus substitutes (where not provided by the Principal), network upgrades to facilitate passenger movements etc.

# R OTHER

Any items unable to be reasonably allocated within the previous categories

# S DESIGN

Design management and approvals

Investigations and approvals (may include, structural, geotech, enviro approval, veg survey, veg offset, contamination testing, material disposal, heritage approval, water affecting activities permits, pavement design etc.)

Detailed design and documentation

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Tenderer's signature	Date	DIT XXCXXX	Page 12

Proof engineering

Independent design verification and certification

Design management during construction

Construction verification and certification

As-building of the works, including survey and documentation as specified

# T ON SITE OVERHEADS

#### Non-Recurring On-Site Overheads

Mobilisation of plant. equipment and personnel

Establishment of site facilities and associated temporary services

Provision of insurances, bank guarantee fees and other contract approvals

Information management system (Tenderer to specify)

CITB levy

Industry levies

Council permits and fees

#### **Recurring On-Site Overheads**

Project management, contract management, site engineer, safety representative, environmental representative etc. Note: Additional entries to be provided for each relevant role/person, nominated personnel are required to align with the organisation chart

Consultants

Community and stakeholder requirements and management

Site vehicles, plant, equipment, scaffolding and small tools etc.

Site accommodation running, services costs and other expenses

Safety, training, inductions and PPE etc.

Testing requirements

Survey requirements

#### Demobilisation

Demobilisation of plant. equipment and personnel

Dis-establishment of site facilities complete

Site clean-up

Contract works maintenance

# **Industry and Workplace Participation and Skills Development**

.....

Industry participation planning and reporting as per the contract requirements

Upskilling and training including the planning and reporting as per the contract requirements

# <u>U</u> OFF SITE OVERHEADS

Those costs, which by the normally accepted standards of accounting, are incurred by the Contractor offsite but cannot be directly attributed a specific item of work. This includes, but is not limited to, items such as rent and maintenance of head office accommodation, general head office administration and director's salaries

# **V** TENDERERS PROFIT MARGIN

Tenderers Profit Margin

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Tenderer's signature	Date	DIT XXCXXX	Page 13

# OFFICIAL: Sensitive.

	RISK Risk
_	PROVISIONAL SUM Principal Controlled Allowance

..... Tenderer's signature Date DIT XXCXXX Page 14

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Revision 0 **OFFICIAL** 

# SCHEDULE 3 - CONTRACT PRICE SCHEDULE OF QUANTITIES AND PRICES - SITE SUMMARY

# XXCXXX Contract Title

# $\frac{\textbf{SUMMARY OF COMBINED SCHEDULE OF PRICES AND RATES}}{\textbf{RATES SHALL BE EXCLUSIVE OF GST}}$

Item No.	Description	Site 1: Road Number Road Name, Description, Maintenance Markers	Site 2: Road Number Road Name, Description, Maintenance Markers	Site 3: Road Number Road Name, Description, Maintenance Markers	Combined Total
A	ENVIRONMENTAL WORKS	s -	\$ -	s -	\$ -
В	TRAFFIC MANAGEMENT	\$ -	\$ -	\$ -	\$ -
C	SERVICES	\$ -	\$ -	s -	\$ -
D	EARTHWORKS AND DEMOLITION	\$ -	\$ -	\$ -	\$ -
E	RETAINING WALLS	\$ -	\$ -	s -	\$ -
F	DRAINAGE	s -	\$ -	s -	\$ -
G	BRIDGES	s -	\$ -	s -	\$ -
Н	TUNNELS	s -	\$ -	s -	\$ -
I	PAVEMENTS	s -	\$ -	s -	\$ -
J	BITUMINOUS SURFACING / ASPHALT	s -	\$ -	s -	\$ -
K	SECONDARY PAVEMENTS	s -	\$ -	\$ -	\$ -
L	PAVEMENT MARKING	s -	\$ -	s -	\$ -
M	ROAD FURNITURE	s -	\$ -	s -	\$ -
N	LIGHTING	s -	\$ -	s -	\$ -
o	LANDSCAPING AND URBAN DESIGN	s -	\$ -	s -	\$ -
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	s -	\$ -	s -	\$ -
Q	RAIL	s -	\$ -	s -	s -
R	OTHER	\$ -	\$ -	s -	s -
s	DESIGN	\$ -	\$ -	s -	s -
T	ON SITE OVERHEADS	\$ -	\$ -	s -	s -
U	OFF SITE OVERHEADS	\$ -	\$ -	s -	s -
v	TENDERERS PROFIT MARGIN	\$ -	\$ -	s -	\$ -
w	RISK	\$ -	\$ -	s -	\$ -
X	PROVISIONAL SUM	\$ -	\$ -	s -	\$ -
	TOTAL	s -	\$ -	s -	\$ -
	INDIVIDUAL SCHEDULE TOTAL	\$ -	\$ -	\$ -	\$ -
	ERROR	\$ -	\$ -	\$ -	\$ -

DIT XXCXXX Tenderer's signature Date Page 15

# SCHEDULE 3.1 - CONTRACT PRICE SCHEDULE OF QUANTITIES AND PRICES

# XXCXXX Contract Title

# Site 1: Road Number Road Name, Description, Maintenance Markers

# SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description		ount (\$)
A	ENVIRONMENTAL WORKS	\$	-
В	TRAFFIC MANAGEMENT	\$	-
C	SERVICES	\$	-
D	EARTHWORKS AND DEMOLITION	\$	-
E	RETAINING WALLS	\$	-
F	DRAINAGE	\$	-
$\mathbf{G}$	BRIDGES	\$	-
Н	TUNNELS	\$	-
I	PAVEMENTS	\$	-
J	BITUMINOUS SURFACING / ASPHALT	\$	-
K	SECONDARY PAVEMENTS	\$	-
L	PAVEMENT MARKING	\$	-
M	ROAD FURNITURE	\$	-
N	LIGHTING	\$	-
o	LANDSCAPING AND URBAN DESIGN	\$	-
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$	-
Q	RAIL	\$	-
R	OTHER	\$	-
S	DESIGN	\$	-
T	ON SITE OVERHEADS	\$	-
U	OFF SITE OVERHEADS	\$	-
$\mathbf{v}$	TENDERERS PROFIT MARGIN	\$	-
$\mathbf{w}$	RISK	\$	-
X	PROVISIONAL SUM	\$	-
		TOTAL \$	-

# SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of Measurement	Estimated Quantity	Rate \$	Amount \$
<u>A</u>	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
Al	Sediment Ponds	number			
A2	Silt Fencing	metre			
A3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			
A14	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item			

A15	Other Permanent Environmental Works: (Tenderer to specify)			
		Subto	 	\$
<u>B</u>	TRAFFIC MANAGEMENT			
В1	Temporary Traffic Signage	Item		
B2	Temporary Variable Message Signs	Item		
B3	Temporary Traffic Signals	Item		
B4	Temporary Lighting			
B5	Temporary Traffic Barriers	Item Item		
B6	Provision of Traffic Management	Item		
B7	Maintenance of Traffic Control Measures	Item		
B8	Other Traffic Management Items: (Tenderer to specify)	icii		
		Subtotal, TRAFFIC MANAGEMI	ENT AND TEMPORARY WORKS	\$
<u>C</u>	SERVICES			
C1	Identification and Location of Services	Item		
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item		
C3	Relocation of Services (Tenderer to specify by type and size)	Item		
C4	Protection of Services (Tenderer to specify by type and size)	Item		
C4 C5	Protection of Services (Tenderer to specify by type and size)  Provision of New Services: (Tenderer to specify)	Item		
C6		nem		
Co	Other Services Works: (Tenderer to specify)			
	<u> </u>	I	Subtotal, SERVICES	\$
<u>D</u>	EARTHWORKS AND DEMOLITION			
	Preparation Works			
D1	Demolition of Existing Buildings, Structures and the like	Item		
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre		
D3	Tree Trimming	Item		
D4	Clearing and Grubbing of Nominated Trees	number		
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre		
D6	Stripping and Stockpiling of Topsoil Material	square metre		
D7	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D8	Saw Cutting of Existing Pavement	metre		
D9	Other Preparation Works Items: (Tenderer to specify)	indu-		
	Bulk Earthworks			
D10	Cut to Fill	cubic metre		
D11	Cut to Spoil	cubic metre		
D12	Import to Fill	cubic metre		
D13	Compliance Testing	Item		
D14 D15	Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)	tonnes		
D16	Detailed Earthworks Cut to Fill	cubic metre		
D10	Cut to Spoil	cubic metre		
D17	Import to Fill	cubic metre		
D18				
	Compliance Testing	Item		
D20	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D21	Subgrade Preparation all Areas	square metre		
D22	Formation of Batters and Trimming	square metre		
D23 D24	Formation of Swale Drains Other Detailed Earthworks Items: (Tenderer to specify)	square metre		
	Surface Treatments			
D25	Respreading of Topsoil from Stockpile	square metre		
D26	Other Surface Treatments Items: (Tenderer to specify)			
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Cast In Situ Concrete  G5 Abutment Items: (Tenderer to Specify)  G6 Pile Cap Items: (Tenderer to Specify)  G7 Pier Items: (Tenderer to Specify)  G8 Deck Items: (Tenderer to Specify)  G9 Approach Slab Items: (Tenderer to Specify)  G10 Wing Wall Items: (Tenderer to Specify)  G11 Headstock Items: (Tenderer to Specify)  G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel  G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items		DUL				
Cast In Situ Concrete G5 Abutment Items: (Tenderer to Specify) G6 Pile Cap Items: (Tenderer to Specify) Fier Items: (Tenderer to Specify) G8 Deck Items: (Tenderer to Specify) G9 Approach Slab Items: (Tenderer to Specify) G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items	C4	_				
Abutment Items: (Tenderer to Specify)  Ge Pile Cap Items: (Tenderer to Specify)  Gr Pier Items: (Tenderer to Specify)  Gr Pier Items: (Tenderer to Specify)  Gr Deck Items: (Tenderer to Specify)  Gr Approach Slab Items: (Tenderer to Specify)  Gr Wing Wall Items: (Tenderer to Specify)  Gr Wing Wall Items: (Tenderer to Specify)  Gr Headstock Items: (Tenderer to Specify)  Gr Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel  Gr Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  Gr Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  Gr Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items	04	Tenucici to List and Detail an Flie Items		1		
Abutment Items: (Tenderer to Specify)  Ge Pile Cap Items: (Tenderer to Specify)  Gr Pier Items: (Tenderer to Specify)  Gr Pier Items: (Tenderer to Specify)  Gr Deck Items: (Tenderer to Specify)  Gr Approach Slab Items: (Tenderer to Specify)  Gr Wing Wall Items: (Tenderer to Specify)  Gr Wing Wall Items: (Tenderer to Specify)  Gr Headstock Items: (Tenderer to Specify)  Gr Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel  Gr Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  Gr Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  Gr Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items		Cast In Situ Concrete				
G6 Pile Cap Items: (Tenderer to Specify) G7 Pier Items: (Tenderer to Specify) G8 Deck Items: (Tenderer to Specify) G9 Approach Slab Items: (Tenderer to Specify) G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items	G5			1		
G7 Pier Items: (Tenderer to Specify) G8 Deck Items: (Tenderer to Specify) G9 Approach Slab Items: (Tenderer to Specify) G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G8 Deck Items: (Tenderer to Specify) G9 Approach Slab Items: (Tenderer to Specify) G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G9 Approach Slab Items: (Tenderer to Specify) G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G10 Wing Wall Items: (Tenderer to Specify) G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items						
G11 Headstock Items: (Tenderer to Specify) G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G12 Other Cast In-Situ Concrete Items: (Tenderer to Specify)  Structural Steel  G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
Structural Steel G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
G13 Tenderer to List and Detail all Structural Steel Items  Bridge Deck Surfacing  G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items		Structural Steel		1		
G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items	G13			1		
G14 Tenderer to List and Detail all Bridge Deck Surfacing Items  Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items				1		
Bridge Lighting  G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items		Bridge Deck Surfacing				
G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items	G14	Tenderer to List and Detail all Bridge Deck Surfacing Items		1		
G15 Tenderer to List and Detail all Bridge Lighting Items  Other Bridge Items						
Other Bridge Items				1		
	G15	Tenderer to List and Detail all Bridge Lighting Items		1		
				1		
G16 Tenderer to List and Detail all Other Bridge Items				1		
	G16	Tenderer to List and Detail all Other Bridge Items	I	1		ı l

			Sul	btotal, BRIDGES	s -
<u>H</u>	TUNNELS				
<u></u> Н1	Mobilisation / Demobilisation of Tunnel Equipment and Activities				
H2	Excavation and Support (Tenderer to specify)				
НЗ	Tunnel Linings (Tenderer to specify)				
H4	Tunnel Drainage (Tenderer to specify)				
H5	Finishing Works (Tenderer to specify)				
H6	Tunnels Services (Tenderer to specify)				
H7	Ventilation Structures and Equipment (Tenderer to specify)				
H8	Control Buildings and Systems (Tenderer to specify)				
Н9	Other Tunnel Items: (Tenderer to specify)				
			Sut	ototal, TUNNELS	s -
Ī	<u>PAVEMENTS</u>				
	Pavement Type A				
I1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type B				
I2	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
I3	Pavement Type C Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
I4	Other Pavement Items Other Pavement Items: (Tenderer to specify)				
	<u>I</u>		Subtota	al, PAVEMENTS	\$ -
<u>J</u>	BITUMINOUS SURFACING / ASPHALT				
	Pavement Type A				
J1	Prime (Tenderer to specify including application rate)	square metre			
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Pavement Type B				
J4	Prime (Tenderer to specify including application rate)	square metre			
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J6	Other Items Specific to this Pavement Type: (Tenderer to specify)				
17	Pavement Type C				
J7	Prime (Tenderer to specify including application rate)	square metre			
J8 J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)	square metre			
	Other Bituminous Surfacing / Asphalt Items				
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)				
		Cookered DITUM	MINORIC CUREAC	INC / ACDILAL T	Ф.
<u>K</u>	SECONDARY PAVEMENTS	Subtotal, BITUM	IINOUS SURFAC	mg/asthall	- ف
~					
K1	Footpaths / Cycleway Type A  Footpath / Cycleway (Tenderer to creaify by type and layer)	eguaro motro			
K1 K2	Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre square metre			
	Footpaths / Cycleway Type B				
		I			
K3	Footpath / Cycleway (Tenderer to specify by type and layer)	square metre			
K3 K4	Footpath / Cycleway (Tenderer to specify by type and layer) Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre square metre			

South class Specifies to this Medical Infall Type (Conducts to specify)   Square marker		,	1	1	1	
Median Infill Craderce to specify by type and layery   square marker	K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
Notice   Mail (Cendere to specify by 1979 and abyer)		M P A CHAT D				
Secondary Personnel Rens (Tenderer to specify)   Subtotal, SECONDARY PAYEMENTS	V7	1				
Subtotal, SECONDARY Pavement Items   Compared to specify			-			
Color   Colo	Ko	other items specific to this wiedian mini Type. (Tenderer to specify)	square metre			
Subtotal, SECONDARY PAVEMENTS  L PAVEMENT MARKING LI Removal of Existing Markings and associated Devices Temporary Povement Markings LI Resident Povement Markings LI Temporary Resident Povement Povem		Other Secondary Payement Items				
Subtotal, SECONDARY PAVEMENTS   Street   Second Steel Stee	K9					
Land   Pavement Marking   Pavement Markings and associated Devices   Temporary Pavement Markings   Temporary Pavement Markings   Superior Markin						
Land   Pavement Marking   Pavement Markings and associated Devices   Temporary Pavement Markings   Temporary Pavement Markings   Superior Markin						
Laboration   Pavement Marking   Laboration   Pavement Markings and associated Devices   metre			Subt	total, SECONDAR	RY PAVEMENTS	\$ -
Removal of Existing Markings and associated Devices   metre metre metre metre		T		· ·	T	
Temporary Parenten Markings   metre	<u>L</u>	PAVEMENT MARKING				
Longitudinal Markings   square metre	L1	Removal of Existing Markings and associated Devices	metre			
Transverse Markings	L2	Temporary Pavement Markings	metre			
LS Coloured Lane Markings  Key Passing (Passing)  Raised Pavement Markers (Penderer to specify)  Subtotal, PAVEMENT MARKING (Penderer to specify)  M ROAD FURNITURE  Barriers  TL-3 ET-SS Leading Barrier Terminal mumber metre  TL-3 ET-SS Leading Barrier Terminal mumber metre  TL-3 ET-SS Leading Barrier Terminal mumber mumber mumber (Penderer to specify)  M Removal of leasing Safety Barrier [Item Terminal mumber mu	L3	Longitudinal Markings	metre			
Kerb Painting	L4	Transverse Markings	square metre			
Raised Pavement Markers	L5	Coloured Lane Markings	square metre			
Audio Tactile Line Marking Items: (Tenderer to specify)    Subtotal, PAVEMENT MARKING   Subtotal, PAVEMENT MARKING	L6	Kerb Painting	metre			
Collect Pavement Marking Items: (Tenderer to specify)   Subtotal, PAVEMENT MARKING   S		Raised Pavement Markers	number			
Market   National   Pavement Marking   Subtotal   Pavement Marking			metre			
Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine	L9	Other Pavement Marking Items: (Tenderer to specify)				
Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine						
Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine   Barriers   Machine				Subtatal DAVEM	ENT MADVING	s -
Barriers		I	1	Subtotal, 1 A V ENI	LATE WARKING	
MI W-Beam Safety Barrier metre	<u>M</u>	ROAD FURNITURE				
M2 TL-3 Ezy Guard 4 Steel Rail Safety Barrier  M3 TL-3 ET-SS Leading Barrier Terminal  M4 Trailing Terminal TL-3  M5 Terminal Ends - TL3  M6 Removal of existing Safety Barrier  M7 Other Barrier Items (Tender to specify)  Fencing and Gates  M8 Removal of Fencing and Gates  M9 Installation of relocated Gates  M10 Other Road Furniture Items  Other Road Furniture Items  Other Road Furniture Items  Other Road Furniture Items: (Tenderer to specify)  N11 Other Road Furniture Items  Other Road Furniture Items  Other Road Furniture Items  Other Road Furniture Items  Temporary Lighting Poles, Footings ete  N1 Demolítion of Existing  N2 Temporary Lighting Poles, Footings ete  N3 Footings (Tenderer to specify by type)  N4 Single Outreach Poles (Tenderer to specify by type)  N5 Double Outreach Poles (Tenderer to specify by type)  N6 Luminaires (Tenderer to specify by type)  N7 Conduit (Tenderer to specify by type)  N8 Pits (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify)  N1 Testing and Commissioning  Other Lighting Items: (Tenderer to specify)  N1 Other Lighting Items: (Tenderer to specify)  N1 Other Lighting Items: (Tenderer to specify)  N1 Other Lighting Items: (Tenderer to specify)  N2 Testing and Commissioning  Other Lighting Items: (Tenderer to specify)		Barriers .				
M3 TL-3 ET-SS Leading Barrier Terminal M4 Training Terminal- TL3 number M5 Terminal Ends - TL3 M6 Removal of existing Safety Barrier M7 Other Barrier Items (Tender to specify)  Eencine and Gates Removal of Fencing and Gates Removal of Fencing and Gates M9 Installation of relocated Gates M10 Installation of relocated Gates M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Road Furniture Items Other Road Furniture Items: (Tenderer to specify)  N12 Other Road Furniture Items: (Tenderer to specify)  LIGHTING N1 Demolition of Existing N2 Temporary Lighting Poles, Footings ete N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify) N11 Other Lighting Items: (Tenderer to specify)	M1	W-Beam Safety Barrier	metre			
M4 Trailing Terminal - TL3 M5 Terminal Ends - TL3 M6 Removal of existing Safety Barrier M7 Other Barrier Items (Tender to specify)  Fencing and Gates M8 Removal of Fencing and Gates M9 Installation of new Fencing M10 Installation of new Fencing M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items M12 Other Road Furniture Items Other Road Furniture Items: (Tenderer to specify)  N1 Demolition of Existing N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type) N8 Pits (Tenderer to specify by type) N8 Pits (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre			
M5 Terminal Ends - TL3 M6 Removal of existing Safety Barrier M7 Other Barrier Items (Tender to specify)  Fencing and Gates Removal of Fencing and Gates M8 Removal of Fencing and Gates M9 Installation of relocated Gates M10 Other Fencing and Gates Items: (Tenderer to specify)  Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Foad Furniture Items Other Road Furniture Items: (Tenderer to specify)  N12 Demolition of Existing N13 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify) N11 Other Lighting Items: (Tenderer to specify) N12 Other Lighting Items: (Tenderer to specify) N13 Other Lighting Items: (Tenderer to specify) N14 Other Lighting Items: (Tenderer to specify) N15 Other Lighting Items: (Tenderer to specify) N16 Other Lighting Items: (Tenderer to specify) N17 Other Lighting Items: (Tenderer to specify)	M3	TL-3 ET-SS Leading Barrier Terminal	number			
M6 Removal of existing Safety Barrier  Other Barrier Items (Tender to specify)  Fencing and Gates  M8 Removal of Fencing and Gates  M9 Installation of new Fencing  M10 Installation of new Fencing  Other Fencing and Gates Items: (Tenderer to specify)  Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items  M12 Other Road Furniture Items: (Tenderer to specify)  Subtotal, ROAD FURNITURE S  N LIGHTING  N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type) N8 Pits (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	M4	Trailing Terminal - TL3	number			
M7 Other Barrier Items (Tender to specify)  Fencing and Gates  M8 Removal of Fencing and Gates  M9 Installation of new Fencing  M10 Installation of relocated Gates  M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items  Other Road Furniture Items: (Tenderer to specify)   M12 Other Road Furniture Items: (Tenderer to specify)   N1 Demolition of Existing  N1 Demolition of Existing  N2 Temporary Lighting Poles, Footings etc  N3 Footings (Tenderer to specify by type)  N4 Single Outreach Poles (Tenderer to specify by type)  N5 Double Outreach Poles (Tenderer to specify by type)  N6 Luminaires (Tenderer to specify by type)  N7 Conduit (Tenderer to specify by type)  N8 Pits (Tenderer to specify by type and size)  N8 Pits (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N10 Testing and Commissioning  Other Lighting Items: (Tenderer to specify)	M5	Terminal Ends - TL3	number			
Fencing and Gates  M8 Removal of Fencing and Gates  M9 Installation of new Fencing  M10 Installation of relocated Gates  M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items  M12 Other Road Furniture Items: (Tenderer to specify)  N1 Demolition of Existing  N1 Demolition of Existing  N2 Temporary Lighting Poles, Footings ete  N3 Footings (Tenderer to specify by type)  N4 Single Outreach Poles (Tenderer to specify by type)  N5 Double Outreach Poles (Tenderer to specify by type)  N6 Luminaires (Tenderer to specify by type)  N7 Conduit (Tenderer to specify by type and size)  N8 Pits (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N10 Testing and Commissioning  Item  Other Lighting Items: (Tenderer to specify)	M6	Removal of existing Safety Barrier	Item			
M8 Removal of Fencing and Gates M9 Installation of new Fencing M10 Installation of relocated Gates M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Road Furniture Items: Other Road Furniture Items: (Tenderer to specify)   **Subtotal, ROAD FURNITURE**  **Item**  **Item**  **Name	M7	Other Barrier Items (Tender to specify)				
Removal of Fencing and Gates M9 Installation of new Fencing M10 Installation of relocated Gates M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Road Furniture Items: (Tenderer to specify)  **Subtotal, ROAD FURNITURE**  **Item**  **It		Foreign and Cata				
M9 Installation of new Fencing M10 Installation of relocated Gates M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items M12 Other Road Furniture Items: (Tenderer to specify)  **Subtotal, ROAD FURNITURE**  **N LIGHTING** N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	Mo	<u> </u>	Team			
M10 Installation of relocated Gates M11 Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Road Furniture Items: (Tenderer to specify)   Null Demolition of Existing N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)						
Other Fencing and Gates Items: (Tenderer to specify)  Other Road Furniture Items Other Road Furniture Items: Other Road Furniture Items: (Tenderer to specify)  Subtotal, ROAD FURNITURE S  LIGHTING N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)		<u> </u>				
Other Road Furniture Items Other Road Furniture Items: (Tenderer to specify)    Subtotal, ROAD FURNITURE   Statistic			Humoei			
M12 Other Road Furniture Items: (Tenderer to specify)  Subtotal, ROAD FURNITURE S  N LIGHTING N1 Demolition of Existing N2 Temporary Lighting Poles, Footings ete N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	WIII	Other reneing and Gates rems. (renderer to specify)				
Subtotal, ROAD FURNITURE   S		Other Road Furniture Items				
N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	M12	Other Road Furniture Items: (Tenderer to specify)				
N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)						
N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)						
N1 Demolition of Existing N2 Temporary Lighting Poles, Footings etc N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)				Subtotal, RO	AD FURNITURE	\$ -
Temporary Lighting Poles, Footings etc  N3 Footings (Tenderer to specify by type)  N4 Single Outreach Poles (Tenderer to specify by type)  N5 Double Outreach Poles (Tenderer to specify by type)  N6 Luminaires (Tenderer to specify by type)  N7 Conduit (Tenderer to specify by type and size)  N8 Pits (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N10 Testing and Commissioning  N11 Other Lighting Items: (Tenderer to specify)	<u>N</u>	LIGHTING				
Temporary Lighting Poles, Footings etc  N3 Footings (Tenderer to specify by type)  N4 Single Outreach Poles (Tenderer to specify by type)  N5 Double Outreach Poles (Tenderer to specify by type)  N6 Luminaires (Tenderer to specify by type)  N7 Conduit (Tenderer to specify by type and size)  N8 Pits (Tenderer to specify by type and size)  N9 Switchboards (Tenderer to specify by type and size)  N10 Testing and Commissioning  Other Lighting Items: (Tenderer to specify)	N1	Demolition of Existing	Item			
N3 Footings (Tenderer to specify by type) N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)		<u> </u>				
N4 Single Outreach Poles (Tenderer to specify by type) N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)						
N5 Double Outreach Poles (Tenderer to specify by type) N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	N4					
N6 Luminaires (Tenderer to specify by type) N7 Conduit (Tenderer to specify by type and size) N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	N5					
N8 Pits (Tenderer to specify by type and size) N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning N11 Other Lighting Items: (Tenderer to specify)	N6	Luminaires (Tenderer to specify by type)	number			
N9 Switchboards (Tenderer to specify by type and size) N10 Testing and Commissioning Other Lighting Items: (Tenderer to specify)	N7	Conduit (Tenderer to specify by type and size)	metre			
N10 Testing and Commissioning Item  N11 Other Lighting Items: (Tenderer to specify)			number			
N11 Other Lighting Items: (Tenderer to specify)	N9		number			
			Item			
Subtotal, LIGHTING \$	N11	Other Lighting Items: (Tenderer to specify)				
Subtotal, LIGHTING \$						
			1	Subt	total, LIGHTING	s -
O LANDSCAPING AND URBAN DESIGN	<u>o</u>	LANDSCAPING AND URBAN DESIGN				
O1 Landscaping Soils cubic metre						
O2 Landscaping / Revegetation square metre	O2	Landscaping / Revegetation	square metre		I	

Ī		1	1	
O3	Watering Systems	number		
O4	Mulching	square metre		
O5	Maintenance of Landscaping (Tenderer to specify period)	Item		
O6	Other Landscaping and Urban Design Items: (Tenderer to specify)			
		Subtotal, LANDSCAF	PING AND URBAN DESIGN	\$ -
<u>P</u>	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS			
	Traffic Signage			
P1	Removal of Existing Signage	Item		
P2	Road Signage (Tenderer to specify by type)	number		
P3	Guide Posts			
		number		
P4	Other Traffic Signage Items: (Tenderer to specify)			
	Traffic Signals & Controls			
P5	Removal of Existing Signals and ITS Infrastructure	Item		
P6	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number		
P7	Ducting (Tenderer to specify by size type)	metre		
P8	Loops	number		
P9	-			
	Testing and Commissioning of Traffic Signals & Controls	Item		
P10	Other Traffic Signals & Controls Items: (Tenderer to specify)			
	Intelligent Transport Systems			
P11	ITS and Signage Gantries (Tenderer to specify by type)	number		
P12				
	Intelligent Transport Systems (Tenderer to specify)	Item		
P13	Permanent ITS Signage (Tenderer to specify by size and type)	number		
P14	Testing and Commissioning of ITS Systems	Item		
P15	Other Intelligent Transport System Items: (Tenderer to specify)			
	Subto	otal, TRAFFIC SIGNAGE, S	SIGNALS AND CONTROLS	\$ -
Q	RAIL			
	Trackwork			
01				
Q1	Removal of Existing Track	metre		
Q2	Rail Track Complete (Tenderer to specify)	metre		
Q3	Tamping	metre		
Q4	Turnouts, Crossovers, Actuators etc (Tenderer to specify)	number		
Q5	Other Trackwork Items: (Tenderer to specify)			
	Overhead Wiring and Poles			
06				
Q6	Removal of Existing Wiring and Poles (Tenderer to specify)	metre		
Q7	Overhead Traction Power Wiring (Tenderer to specify)	Item		
Q8	Trackside posts, gantries and fitting (Tenderer to specify)	Item		
Q9	Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	Item		
Q10	Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to	Item		
QIO	specify)	nem		
Q11	Other Overhead Wiring and Poles Items: (Tenderer to specify)			
	Deven Comply and Distribution			
012	Power Supply and Distribution	T4		
Q12	Removal of Existing Power Supply and Distribution Items	Item		
Q13	Incoming Raw Supply to Substations (Tenderer to specify)	Item		
Q14	Substations (Tenderer to specify)	Item		
Q15	High and Low Voltage Power Distribution (Tenderer to specify)	Item		
Q16	Transformers for Supply to Overhead Wiring	Item		
Q17	Trackside Installations for Power Distribution (Tenderer to specify)	Item		
Q18	Other Power Supply and Distribution Items: (Tenderer to specify)			
	Signalling			
Q19	Removal of Existing Signalling Items	Item		
Q20	Signal Plans, Control Tables and Signalling Design	Item		
-	Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for			
Q21	Signalling)	Item		
Q22	Control Systems, Automatic Trail Protection	Item		
Q23	Interlocking	Item		
Q23 Q24		Item		
	Trackside Installations for Signalling (Tenderer to specify) Signalling Power Supply from Substation or Transformer			
Q25	Signalling Power Supply from Substation or Transformer	Item		
Q26	Signal Boxes and Buildings	Item	ĺ	

Q27	Other Signalling Items: (Tenderer to specify)			
	Rail Communications			
020	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train Radio,	Υ.		
Q28	SCADA, Trackside Installations for Rail Communications (Tenderer to specify)	Item		
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
Q30	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail Services	Item		
	(Tenderer to specify)			
Q31	Other Combined Services Route Items: (Tenderer to specify)			
	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities			
Q32	Stations (Tenderer to specify)	Item		
Q33 Q34	Active Pedestrian Crossings (Tenderer to specify) Interchanges (Tenderer to specify)	Item metre		
Q34 Q35	Car Parks (Tenderer to specify)	Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37	Stabling Buildings (Tenderer to specify)	Item		
Q38	Maintenance Facilities (Tenderer to specify)	Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
040	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items: (Tenderer to			
Q40	specify)			
	Commissioning and Handover			
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43	Handover of Completed Facilities	Item		
Q44	Training of Operators and Management	Item		
Q45	Accreditation Costs Associated with Regulatory Approval	Item		
Q46	Other Commissioning and Handover Items: (Tenderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Rail Specific Works			
Q49	Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger	Item		
	Movements (Tenderer to specify)			
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
			Subtotal, RAIL	<b>s</b> -
<u>R</u>	<u>OTHER</u>			
R1	Other Items: (Tenderer to specify)			
				-
	т	1	Subtotal, OTHER	s -
<u>s</u>	DESIGN			
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals	Item		
S3	Other: (Tenderer to specify)			
	<b>Design Gate 1 (e.g. 30%)</b>			
S4	Design Package 1	Item		
S5	Independent Design Certification Package 1	Item		
S6	Other: (Tenderer to specify)			
	Design Gate 2 (e.g. 70%)			
S7	Design Gate 2 (e.g. 70%) Design Package 1	Item		
S8	Independent Design Certification Package 1	Item		
S9	Other: (Tenderer to specify)			
610	Design Gate 3 (e.g. IFC)			
S10	Design Package 1	Item Item		
S11	Independent Design Certification Package 1	Item		
S12	Other: (Tenderer to specify)		l l	

		I	1	Ī
	Construction Phase Services			
S13	Construction Phase Design Inspections and Reporting	Item		
S14	Other: (Tenderer to specify)	Hem		
	Substitution to speedily)			
	Independent Design Certification			
S15	Independent Design Certification	Item		
S16	Other Independent Design Certification Items: (Tenderer to specify)			
	Construction Verification			
S17	Construction Verification	Item		
S18	Other Construction Verification Items: (Tenderer to specify)			
	As Builts			
S19	As Building of the Works, Including Survey and Documentation	Item		
S20	Other As Built Items: (Tenderer to specify)			
			Subtotal, DESIGN	<b>s</b> -
	T	1	T T	
<u>T</u>	ON SITE OVERHEADS (Site Specific)			
	Non-Recurring On Site Overheads			
T1	Mobilisation of Locally Based Personnel	number		
T2	Mobilisation of Interstate Based Personnel	number		
T3	Mobilisation of Locally Based Plant and Equipment	number		
T4	Mobilisation of Interstate Based Plant and Equipment	number		
T5	Establishment of Site Facilities	Item		
T6	Establishment of Temporary Services to Site Facilities	Item		
T7	Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals	Item		
T8	Information Management System (Tenderer to specify)	Item		
Т9	CITB Levy	Item		
T10	Other Non-Recurring On-Site Overhead Items: (Tenderer to specify)			
	Recurring On Site Overheads			
T11	Project Manager	weeks		
T12	Contract Manager	weeks		
T13 T14	Site Engineer	weeks		
T15	Contractors Design Manager	weeks		
T16	Quality Manager Construction Manager	weeks weeks		
T17	Safety Representative	weeks		
T18	Environmental Representative	weeks		
T19	Document Controller	weeks		
T20	Consultants	weeks		
T21	Community and Stakeholder Requirements and Management	weeks		
T22	Site Vehicles, Plant, Equipment, Scaffolding and Small tools etc.	weeks		
T23	Site Accommodation Running, Services and Expenses	weeks		
T24	Safety, Training, Inductions and PPE etc.	weeks		
T25	Testing Requirements	weeks		
T26	Survey Requirements	weeks		
T27	Other Recurring On-Site Overheads Items: (Tenderer to specify)			
	<u>Demobilisation</u>			
T28	Demobilisation of Plant. Equipment and Personnel	Item		
T29	Dis-Establishment of Site Facilities Complete	Item		
T30	Site Clean-Up	Item		
T31	Contract Works Maintenance	Item		
T32	Other Demobilisation Items: (Tenderer to specify)			
	Industry and Waylinlage Paytigingtion and Skills Davidson			
T33	Industry and Workplace Participation and Skills Development  Industry Porticipation Planning and Penarting as Par The Contract Paguiroments	Ĭ+		
	Industry Participation Planning and Reporting as Per The Contract Requirements	Item		
T34	Upskilling and Training Including The Planning and Reporting as Per The Contract Requirements	Item		
T35	Other Industry and Workplace Participation and Skills Development Items (Tenderer to Specify)			
133	one, moustly and workplace I arrespation and skins Development tiems (Tenderer to Specify)			
			Subtotal, ON SITE OVERHEADS	\$ -
	OFF SITE OVERHEADS			
TY.		i	1	
<u>U</u> U1	OFF SITE OVERHEADS Off Site Overheads	%		

Subtotal, OFF SITE OVERHEADS					
<u>v</u>	TENDERERS PROFIT MARGIN				
V1	Tenderers Profit Margin	%			
Subtotal, TENDERERS MARGIN					<b>\$</b> -
<u>w</u>	<u>RISK</u>				
W1	Risk	Item			
Subtotal, RISK					<b>\$</b> -
<u>X</u>	PROVISIONAL SUM				
X1	Principal Controlled Allowance	Provisional			
Subtotal, PROVISIONAL SUM					\$ -

## SCHEDULE 3.2 - CONTRACT PRICE SCHEDULE OF QUANTITIES AND PRICES

#### XXCXXX Contract Title

#### Site 2: Road Number Road Name, Description, Maintenance Markers

#### SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description		Amount (\$)	
A	ENVIRONMENTAL WORKS		\$	_
В	TRAFFIC MANAGEMENT		\$	-
C	SERVICES		\$	-
D	EARTHWORKS AND DEMOLITION		\$	-
E	RETAINING WALLS		\$	-
F	DRAINAGE		\$	-
$\mathbf{G}$	BRIDGES		\$	-
Н	TUNNELS		\$	-
I	PAVEMENTS		\$	-
J	BITUMINOUS SURFACING / ASPHALT		\$	-
K	SECONDARY PAVEMENTS		\$	-
L	PAVEMENT MARKING		\$	-
M	ROAD FURNITURE		\$	-
N	LIGHTING		\$	-
o	LANDSCAPING AND URBAN DESIGN		\$	-
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS		\$	-
Q	RAIL		\$	-
R	OTHER		\$	-
S	DESIGN		\$	-
T	ON SITE OVERHEADS		\$	-
U	OFF SITE OVERHEADS		\$	-
v	TENDERERS PROFIT MARGIN		\$	-
$\mathbf{w}$	RISK		\$	-
X	PROVISIONAL SUM		\$	-
		TOTAL	\$	-

#### SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of Measurement	Estimated Quantity	Rate \$	Amount \$
<u>A</u>	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
Al	Sediment Ponds	number			
A2	Silt Fencing	metre			
A3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			
A14	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item			

A15	Other Permanent Environmental Works: (Tenderer to specify)			
		Subto	 	\$
<u>B</u>	TRAFFIC MANAGEMENT			
В1	Temporary Traffic Signage	Item		
B2				
B3	Temporary Variable Message Signs Temporary Traffic Signals	Item		
вз В4		Item		
B5	Temporary Lighting	Item		
B6	Temporary Traffic Barriers	Item		
В7	Provision of Traffic Management  Maintenance of Traffic Control Measures	Item Item		
B8	Other Traffic Management Items: (Tenderer to specify)	Item		
Во	Outer Traine Wanagement Tenis. (Tenderer to speeny)			
		Subtotal, TRAFFIC MANAGEMI	ENT AND TEMPORARY WORKS	\$
<u>C</u>	SERVICES			
C1	Identification and Location of Services	Item		
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item		
C3	Relocation of Services (Tenderer to specify by type and size)	Item		
C4	Protection of Services (Tenderer to specify by type and size)	Item		
C5	Provision of New Services: (Tenderer to specify)	Item		
C6	Other Services Works: (Tenderer to specify)	10111		
	Carlo Sci Netto Welland (Telland)			
			Subtotal, SERVICES	s
<u>D</u>	EARTHWORKS AND DEMOLITION			
	Preparation Works			
D1	Demolition of Existing Buildings, Structures and the like	Item		
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre		
D3	Tree Trimming	Item		
D4	Clearing and Grubbing of Nominated Trees	number		
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre		
D6	Stripping and Stockpiling of Topsoil Material	square metre		
D7	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D8	Saw Cutting of Existing Pavement	metre		
D9	Other Preparation Works Items: (Tenderer to specify)			
	Bulk Earthworks			
D10	Cut to Fill	cubic metre		
D11	Cut to Spoil	cubic metre		
D12	Import to Fill	cubic metre		
D13	Compliance Testing	Item		
D14 D15	Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)	tonnes		
DIC	Detailed Earthworks			
D16	Cut to Fill	cubic metre		
D17	Cut to Spoil	cubic metre		
D18	Import to Fill	cubic metre		
D19	Compliance Testing	Item		
D20	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D21	Subgrade Preparation all Areas	square metre		
D22	Formation of Batters and Trimming	square metre		
D23 D24	Formation of Swale Drains Other Detailed Earthworks Items: (Tenderer to specify)	square metre		
D4 <del>1</del>	Once Detailed Lattiworks fellis. (Telldetet to specify)			
D25	Surface Treatments  Possesseding of Topsoil from Stocknile			
D25 D26	Respreading of Topsoil from Stockpile Other Surface Treatments Items: (Tenderer to specify)	square metre		
		Coldedal EAI	RTHWORKS AND DEMOLITION	e.

			•		
<u>E</u>	RETAINING WALLS				
=	RETAINING WALLS				
	Retaining Wall Type A				
E1	Tenderer to Detail Wall Type and Height	square metre			
E2	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Retaining Wall Type B				
E3	Tenderer to Detail Wall Type and Height	square metre			
E4	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)	Square metre			
L	Other items specific to this retaining wan Type. (Tenderer to specify)				
	Other Details - Well Items				
F.5	Other Retaining Wall Items				
E5	Other Retaining Wall Items: (Tenderer to specify)				
			Subtotal, RET	AINING WALLS	s -
			Subtoun, RET	THE CONTRACTOR	Ψ
<u>F</u>	DRAINAGE				
<u> -</u>	DRAINAGE				
	<u>Drainage Demolition</u>				
F1	Tenderer to List and Detail all Drainage Demolition Items				
	-				
	Drainage Structures				
F2	Tenderer to List and Detail all Drainage Structures	number			
	Pipes and Box Culverts				
F3					
F.5	Tenderer to List and Detail all Pipelines	metre			
	Kerbing				
F4	Tenderer to List and Detail all Kerbing	metre			
	<u>Other</u>				
F5	Other Drainage Items: (Tenderer to specify)				
		•			
			Subt	otal, DRAINAGE	s -
<u>G</u>	BRIDGES				
	Temporary Works				
G1	Tenderer to List and Detail all Temporary Works Items				
Gi	Tenderer to List and Detail all Temporary Works femis				
	Forthworks				
62	Earthworks				
G2	Tenderer to List and Detail all Earthworks Items				
	Reinforced Earth Walls				
G3	Tenderer to List and Detail all Reinforced Earth Wall Items				
	Piling				
G4	Tenderer to List and Detail all Pile Items				
	Cast In Situ Concrete				
G5	Abutment Items: (Tenderer to Specify)				
G6	Pile Cap Items: (Tenderer to Specify)				
G7	Pier Items: (Tenderer to Specify)				
G8	Deck Items: (Tenderer to Specify)				
G9					
	Approach Slab Items: (Tenderer to Specify)				
G10	Wing Wall Items: (Tenderer to Specify)				
G11	Headstock Items: (Tenderer to Specify)				
G12	Other Cast In-Situ Concrete Items: (Tenderer to Specify)				
	Structural Steel				
G13	Tenderer to List and Detail all Structural Steel Items				
	Bridge Deck Surfacing				
G14	Tenderer to List and Detail all Bridge Deck Surfacing Items				
	gg				
	Bridge Lighting				
G15					
G15	Tenderer to List and Detail all Bridge Lighting Items				
	OH BULL				
	Other Bridge Items				
G16	Tenderer to List and Detail all Other Bridge Items	I	I		

			Sub	total, BRIDGES	s -
<u>H</u>	TUNNELS				
H1	Mobilisation / Demobilisation of Tunnel Equipment and Activities				
H2	Excavation and Support (Tenderer to specify)				
НЗ	Tunnel Linings (Tenderer to specify)				
H4	Tunnel Drainage (Tenderer to specify)				
H5	Finishing Works (Tenderer to specify)				
Н6	Tunnels Services (Tenderer to specify)				
H7	Ventilation Structures and Equipment (Tenderer to specify)				
H8	Control Buildings and Systems (Tenderer to specify)				
Н9	Other Tunnel Items: (Tenderer to specify)				
			Subt	total, TUNNELS	s -
Ī	<u>PAVEMENTS</u>				
	Pavement Type A				
I1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type B				
I2	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
I3	Pavement Type C Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
I4	Other Pavement Items Other Pavement Items: (Tenderer to specify)				
			Subtotal	I, PAVEMENTS	\$ -
<u>J</u>	BITUMINOUS SURFACING / ASPHALT				
	Pavement Type A				
J1	Prime (Tenderer to specify including application rate)	square metre			
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Pavement Type B				
J4	Prime (Tenderer to specify including application rate)	square metre			
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
Ј6	Other Items Specific to this Pavement Type: (Tenderer to specify)				
17	Pavement Type C				
J7 J8	Prime (Tenderer to specify including application rate)  Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J9	Spray Seal / Asphalt (Tenderer to specify by type and layer) Other Items Specific to this Pavement Type: (Tenderer to specify)	square metre			
	Other Bituminous Surfacing / Asphalt Items				
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)				
		Cubtotal DITUM	AINOUS SUDEACU	NC / ACDITAL T	•
	SECONDARY PAVEMENTS	Subtotal, B11 UN	AINOUS SURFACI	ng/asphali	<del>-</del>
<u>K</u>					
<b>V</b> 1	Footpaths / Cycleway Type A  Footpaths / Cycleway (Tondover to enceify by type and lever)				
K1 K2	Footpath / Cycleway (Tenderer to specify by type and layer)  Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre			
13.4	one, tems specific to this rootpath/ Cycleway Type: (Tenderer to specify)	square metre			
	Factor Ales / Conditioner Toma B		1		
	Footpaths / Cycleway Type B  Footpath / Cycleway (Tandarar to specify by type and laver)	comovo vestus			
K3 K4	Footpaths / Cycleway Type B  Footpath / Cycleway (Tenderer to specify by type and layer)  Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)	square metre square metre			

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K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	M P A CHE D				
K7	Median Infill Type B  Median Infill (Tenderer to specify by type and layer)				
K8	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
Ko	Other frems specific to this Median firm Type. (Tenderer to specify)	square metre			
	Other Secondary Pavement Items				
K9	Other Secondary Pavement Items: (Tenderer to specify)				
		Subto	otal, SECONDAR	Y PAVEMENTS	<b>\$</b> -
<u>L</u>	PAVEMENT MARKING				
L1	Removal of Existing Markings and associated Devices	metre			
L2	Temporary Pavement Markings	metre			
L3	Longitudinal Markings	metre			
L4	Transverse Markings	square metre			
L5	Coloured Lane Markings	square metre			
L6	Kerb Painting	metre			
L7	Raised Pavement Markers	number			
L8	Audio Tactile Line Marking	metre			
L9	Other Pavement Marking Items: (Tenderer to specify)				
			Salara DANIEM	ENT MADIZING	e e
			oudtotai, PAVEM	ENT MARKING	\$ -
<u>M</u>	ROAD FURNITURE				
	Barriers .				
M1	W-Beam Safety Barrier	metre			
M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre			
M3	TL-3 ET-SS Leading Barrier Terminal	number			
M4	Trailing Terminal - TL3	number			
M5	Terminal Ends - TL3	number			
M6	Removal of existing Safety Barrier	Item			
M7	Other Barrier Items (Tender to specify)				
	Fencing and Gates				
M8	Removal of Fencing and Gates	Item			
M9	Installation of new Fencing	metre			
M10 M11	Installation of relocated Gates	number			
IVIII	Other Fencing and Gates Items: (Tenderer to specify)				
	Other Road Furniture Items				
M12	Other Road Furniture Items: (Tenderer to specify)				
			Subtotal, ROA	AD FURNITURE	\$ -
<u>N</u>	LIGHTING				
N1	Demolition of Existing	Item			
N2	Temporary Lighting Poles, Footings etc	Item			
N3	Footings (Tenderer to specify by type)	number			
N4	Single Outreach Poles (Tenderer to specify by type)	number			
N5	Double Outreach Poles (Tenderer to specify by type)	number			
N6	Luminaires (Tenderer to specify by type)	number			
N7	Conduit (Tenderer to specify by type and size)	metre			
N8	Pits (Tenderer to specify by type and size)	number			
N9	Switchboards (Tenderer to specify by type and size)	number			
N10	Testing and Commissioning	Item			
N11	Other Lighting Items: (Tenderer to specify)				
	L		Subt	otal, LIGHTING	s -
			~ 200	, , , , , , , , ,	
<u>o</u>	LANDSCAPING AND URBAN DESIGN				
O1	Landscaping Soils	cubic metre			
O2	Landscaping / Revegetation	square metre			

Od Watering Systems   number   square metric		1	1 1	i	
Description	O3	Watering Systems	number		
Subtotal, LANDSCAPING AND URBAN DESIGN   S	O4	Mulching	square metre		
TRAFFIC SIGNAGE, SIGNALS AND CONTROLS   TLAFFIC SIGNAGE, SIGNALS AND CONTROLS   SABULATION   TLAFFIC SIGNAGE	O5	Maintenance of Landscaping (Tenderer to specify period)	Item		
Part   Traffic Signay   Control   Traffic Signay   Control	O6	Other Landscaping and Urban Design Items: (Tenderer to specify)			
TRAFFIC SIGNAGE, SIGNALS AND CONTROLS   Traffic Signage   Item   Removal of Existing Signage   Item   number					
Part					
PT   Removal of Existing Signage   Removal of Existing Frace			Subtotal, LANDSCAPI	NG AND URBAN DESIGN	\$ -
P1 Ramoval of Existing Signages P2 Road Signage (Tenderer to specify) by type) Ramoval of Existing Signages (Enderer to specify) Road Signage (Tenderer to specify) P3 Gaide Poats Other Traffic Signals & Controls P4 Road of Existing Signals and ITS Infrastructure P5 Road of Existing Signals and ITS Infrastructure P6 Traffic Signals & Controls P7 Decting (Tenderer to specify by size type) P7 Decting (Tenderer to specify by size type) P8 Loops Road Signals & Controls Items: (Tenderer to specify) P8 Loops Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Commissioning of ITIS Systems R1 Item R1 ITEMS Road Commissioning of ITIS Systems R1 Item R2 Road Commissioning of ITIS Systems R2 Road Commissioning of ITIS Systems R2 Road Commissioning of ITIS Systems R3 Road Road Commissioning of ITIS Systems R4 Road Commissioning of ITIS Systems R5 Road Road Commissioning of ITIS Systems R5 Road Road Road Road Road Road Road Road	<u>P</u>	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS			
P1 Ramoval of Existing Signages P2 Road Signage (Tenderer to specify) by type) Ramoval of Existing Signages (Enderer to specify) Road Signage (Tenderer to specify) P3 Gaide Poats Other Traffic Signals & Controls P4 Road of Existing Signals and ITS Infrastructure P5 Road of Existing Signals and ITS Infrastructure P6 Traffic Signals & Controls P7 Decting (Tenderer to specify by size type) P7 Decting (Tenderer to specify by size type) P8 Loops Road Signals & Controls Items: (Tenderer to specify) P8 Loops Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Signals & Controls Items: (Tenderer to specify) R1 ITEMS Road Commissioning of ITIS Systems R1 Item R1 ITEMS Road Commissioning of ITIS Systems R1 Item R2 Road Commissioning of ITIS Systems R2 Road Commissioning of ITIS Systems R2 Road Commissioning of ITIS Systems R3 Road Road Commissioning of ITIS Systems R4 Road Commissioning of ITIS Systems R5 Road Road Commissioning of ITIS Systems R5 Road Road Road Road Road Road Road Road		Traffic Signage			
P2   Road Signage Craderer to specify by type)	P1	<del>                                   </del>	Item		
Golde Posts Other Traffic Signage Items: (Tenderer to specify)  Traffic Signals, Controls  Removal of Existing Signals and ITS Infrastructure P5 Removal of Existing Signals and ITS Infrastructure (Tenderer to specify by type) P6 Removal of Existing Signals, Solve, Pits and Associated Infrastructure (Tenderer to specify by type) P7 Destrict (Tenderer to specify) P8 Loops R6 Loops R7 Traffic Signals, & Controls Items R7 Traffic Signals, & Controls Item R7 Traffic Signals, & Controls Items R8 Traffic Signals, Traffic					
P4 Other Traffic Signage Items: (Tenderer to specify)  Traffic Signals & Controls  Removal of Existing Signals and ITS Infrastructure P5 Removal of Existing Signals and Suspiciated Infrastructure (Tenderer to specify by type) Ducting (Tenderer to specify by size type) P6 Ducting (Tenderer to specify) provided infrastructure (Tenderer to specify by type) P7 Lesting and Commissioning of Traffic Signals & Controls P7 Testing and Commissioning of Traffic Signals & Controls P7 Testing and Commissioning of Traffic Signals & Controls P7 Intraffic Signals & Controls Items (Tenderer to specify)  P8 Intelligent Transport Systems P9 Intelligent Transport Systems (Tenderer to specify) P1 Intelligent Transport Systems (Tenderer to specify) P1 Testing and Commissioning of ITS Systems P1 Testing and Commissioning of ITS Systems P1 Trackwork	Р3				
Traffic Signals & Controls Removal of Existing Signals and ITS Infrastructure P6 Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type) metre P7 Ducing (Tenderer to specify by size type) P8 Loops P8 Loops Intelligent Transport Systems P9 Testing and Commissioning of Traffic Signals & Controls P10 Other Traffic Signals & Controls Items P11 Trasing and Commissioning of Traffic Signals & Controls P12 Intelligent Transport Systems P13 And Signage Guntries (Tenderer to specify) P14 Testing and Commissioning of ITS Systems P15 Other Intelligent Transport System (Inderer to specify) P16 Permanent ITS Signage (Tenderer to specify) P17 Permanent ITS Signage (Tenderer to specify) P18 Permanent ITS Signage (Tenderer to specify) P19 Permanent ITS Signage (Tenderer to specify) P19 P19 Permanent ITS Signage (Tenderer to specify) P10 Other Intelligent Transport System Items: (Tenderer to specify) P11 Tendework P12 Intelligent Transport System Items: (Tenderer to specify) P13 Permanent ITS Signage (Tenderer to specify) P14 Tendework P15 Other Intelligent Transport System Items: (Tenderer to specify) P16 P17 P17 P17 P18					
P5		Suit Tuine Signings Nemer (Tenderer to specify)			
Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)   mamber		Traffic Signals & Controls			
Ducting (Tenderer to specify by size type)   metre   number	P5	Removal of Existing Signals and ITS Infrastructure	Item		
P? Duesing (Tenderer to specify by size type)  P8 Loops  Loops  P1 Testing and Commissioning of Traffic Signals & Controls  P10 Other Traffic Signals & Controls ltems: (Tenderer to specify)  Intelligent Transport Systems  P11 ITS and Signals & Controls ltems: (Tenderer to specify)  Intelligent Transport Systems  P12 Intelligent Transport Systems (Tenderer to specify by type)  Item  P13 Permanent ITS Signage (Tenderer to specify by size and type)  Doher Intelligent Transport Systems (Tenderer to specify)  Item  P14 Tender and A Commissioning of ITS Systems  P15 Other Intelligent Transport System Items: (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS  Q RAIL  Trackwork  Q1 Removal of Existing Track  Rail Track Complete (Tenderer to specify)  Metre  Q2 Rail Track Complete (Tenderer to specify)  Metre  Q3 Tamping  Metre  Q4 Turnous, Crossovers, Actuators etc (Tenderer to specify)  Dyerhead Wiring and Poles  Q6 Removal of Existing Wiring and Poles (Tenderer to specify)  Poverhead Wiring and Poles  Trackside posts, gantries and fitting (Tenderer to specify)  Q1 Tarnsformers, Switchgar, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Power Supply and Distribution  Q1 Removal of Existing Power Supply and Distribution Items  Item  Transformers, Switchgar, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Power Supply and Distribution  Q1 Removal of Existing Power Supply and Distribution Items  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to specify)  Item  Trackside Insulations for Power Distribution (Tenderer to sp	P6	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number		
P8   Loops   Testing and Commissioning of Traffic Signals & Controls   Item	P7	Ducting (Tenderer to specify by size type)	metre		
P9 Testing and Commissioning of Traffic Signals & Controls Other Traffic Signals & Controls Items: (Tenderer to specify)  Intelligent Transport Systems ITS and Signage Canticis: (Tenderer to specify by type) Intelligent Transport Systems (Tenderer to specify) Item P12 Intelligent Transport Systems (Tenderer to specify) Item P13 Other Intelligent Transport Systems (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS   O RAIL Trackwork  Q1 Removal of Existing Track Q2 Rail Track Complete (Tenderer to specify) Q3 Tamping Metroust, Crossovers, Actuators etc (Tenderer to specify) MOPERIA Wiring and Poles Q4 Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Oberhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify)  Deverhead Turnicin Power Wiring (Tenderer to specify)  Q6 Removal of Existing Wiring and Poles (Tenderer to specify) Removal of Existing Wiring and Poles (Tenderer to specify) Removal of Existing Wiring and Poles (Tenderer to specify) Removal of Existing Wiring and Poles Items: (Tenderer to specify) Removal of Existing Power Supply and Distribution Items Removal of Existing Power Supply of Overhead Wiring Removal of Existing Power Supply	P8				
P10 Other Traffic Signals & Controls Items: (Tenderer to specify)  Intelligent Transport Systems  P11 ITS and Signage Giantries (Tenderer to specify) ppe)  Intelligent Transport Systems (Tenderer to specify)  P13 Permanent ITS Signage (Tenderer to specify) letem  P14 Testing and Commissioning of ITS Systems  Other Intelligent Transport System Items: (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS S   RAIL  Trackwork  Q1 Removal of Existing Track  Removal of Existing Track  Q2 Rail Track Complete (Tenderer to specify)  metre  Q4 Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Tower Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Item  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Item	P9				
Intelligent Transport Systems (Tenderer to specify by type) P12 Intelligent Transport Systems (Tenderer to specify) P13 Parament TIS Signage Conderter so specify by size and type) P14 Testing and Commissioning of ITS Systems P15 Other Intelligent Transport Systems (Tenderer to specify) P16 Testing and Commissioning of ITS Systems P17 Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS  Q RAIL Trackwork P18 Removal of Existing Track P19 Removal of Existing Track P19 Tamping P10 Transport Systems (Tenderer to specify) P10 Transport Systems (Tenderer to specify) P11 Transport Systems (Tenderer to specify) P12 Transport Systems (Tenderer to specify) P13 Paraming P14 Trackwork P15 Transport Systems (Tenderer to specify) P16 Transport Systems (Tenderer to specify) P17 Transport Systems (Tenderer to specify) P18 Trackside posts, gantries and fitting (Tenderer to specify) P18 Transport Systems (Tenderer to specify) P19 Core Reamy Power Wiring and Tensioning Systems (Tenderer to specify) P19 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) P19 Power Supply and Distribution P10 Substations (Tenderer to specify) P19 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify) P19 Removal of Existing Power Supply and Distribution Items P10 Substations (Tenderer to specify) P19 Removal of Existing Power Supply and Distribution Items P10 Substations (Tenderer to specify) P19 Removal of Existing Power Supply and Distribution (Tenderer to specify) P10 Removal of Existing Power Supply to Overhead Wiring P17 Transformers for Supply to Overhead Wiring P18 Removal of Existing Power Supply to Overhead Wiring P19 Trackside Installations for Power Distribution (Tenderer to specify) P10 Removal Of Existing Power Supply to Overhead Wiring P17 Trackside Installations for Power Distribution (Tenderer to specify) P18 Trackside Installations for Power Distribution (Tenderer to specify) P19 Removal of Existing P19 to Overhead Wiring P19 Trackside Insta			nom		
P11 ITS and Signage Gantries (Tenderer to specify by type) Intelligent Transport Systems (Tenderer to specify) Item P13 Pramanent ITS Signage (Tenderer to specify) Item P14 Testing and Commissioning of ITS Systems Item P15 Other Intelligent Transport System Items: (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS   Q RAIL Trackwork Q1 Removal of Existing Track Q2 Rail Track Complete (Tenderer to specify)  Moverhead Wiring and Poles Q3 Tamping metre Q4 Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Overhead Wiring and Poles Q6 Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Tracksdop sustained and fitting (Tenderer to specify)  Q5 Other Tracksdop posts, gantries and fitting (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Q12 Removal of Existing Wiring and Distribution Items Power Supply and Distribution Q12 Removal of Existing Prower Supply and Distribution Items Power Supply and Distribution Item U14 Substations (Tenderer to specify)  U15 Item U16 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to lem U16 Transformers Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to lem U17 Transciside Installations for Power Distribution Items U18 Item U19 Transciscide Installations for Power Distribution (Tenderer to specify) U19 Item U19 Transciscide Installations for Power Distribution (Tenderer to specify) U19 Item U19 Transciscide Installations for Power Distribution (Tenderer to specify) U19 Transciscide Installations for Power Distribution (Tenderer to specify) U19 Transciscide Installations for Power Distribution (Tenderer to specify) U19 Transciscide Installations for Power Distribution Items (Tenderer to specify) U19 Transciscide Installations for Power Distribution Items (Tenderer to specify) U19 Transcisci	110	other traine signals & controls tents. (Tenderer to speeny)			
P11 ITS and Signage Gantries (Tenderer to specify)		Intelligent Transport Systems			
P12 Intelligent Transport Systems (Tenderer to specify) P13 Permanent ITS Signage (Tenderer to specify) P14 Testing and Commissioning of ITS Systems P15 Other Intelligent Transport System Items: (Tenderer to specify)	P11		number		
P13 Permanent ITS Signage (Tenderer to specify by size and type) Testing and Commissioning of ITS Systems Other Intelligent Transport System Items: (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS  RAIL Trackwork Prackwork Removal of Existing Track Removal of Existing Track P15 Trackwork Items: (Tenderer to specify) P16 Trackwork Items: (Tenderer to specify) P17 Trackwork Items: (Tenderer to specify) P18 Trackwork Items: (Tenderer to specify) P19 Trackwork Items P1					
P14 Testing and Commissioning of ITS Systems					
Other Intelligent Transport System Items: (Tenderer to specify)  Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS \$  Q RAIL Trackwork Q1 Removal of Existing Track Removal of Existing Track Q2 Rail Track Complete (Tenderer to specify)  metre Q3 Tamping Q4 Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Other Arackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify)  Item Q7 Overhead Traction Power Wiring (Tenderer to specify)  Q8 Trackside posts, gantries and fitting (Tenderer to specify)  Q1 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q1 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution Q1 Removal of Existing Power Supply and Distribution Items Incoming Raw Supply to Substations (Tenderer to specify)  Item Q1 Item Q1 Substations (Tenderer to specify)  Item Q1 Item Q1 Substations (Tenderer to specify)  Q1 Item Q1 Transformers for Supply to Overhead Wiring Q1 Item Q1 Transformers for Supply to Overhead Wiring Q1 Transformers for Supply and Distribution (Tenderer to specify)  Q1 Transformers for Supply to Overhead Wiring Q1 Transformers for Supply and Distribution (Tenderer to specify)  Q1 Transformers for Supply and Distribution (Tenderer to specify)  Q1 Transformers for Supply and Distribution (Tenderer to specify)  Q2 Transformers for Supply and Distribution (Tenderer to specify)  Q3 Transformers for Supply and Distribution (Tenderer to spe					
Subtotal, TRAFFIC SIGNAGE, SIGNALS AND CONTROLS \$    Q			Item		
Q       RAIL         Trackwork       metre         Q1       Removal of Existing Track       metre         Q2       Rail Track Complete (Tenderer to specify)       metre         Q3       Tamping       metre         Q4       Turnouts, Crossovers, Actuators etc (Tenderer to specify)       number         Q5       Other Trackwork Items: (Tenderer to specify)       metre         Q6       Removal of Existing Wiring and Poles       metre         Q7       Overhead Traction Power Wiring (Tenderer to specify)       Item         Q8       Trackside posts, gantries and fitting (Tenderer to specify)       Item         Q9       Catenary Power Wiring and Tensioning Systems (Tenderer to specify)       Item         Q10       Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)       Item         Q11       Other Overhead Wiring and Poles Items: (Tenderer to specify)       Item         Q11       Other Overhead Wiring and Poles Items: (Tenderer to specify)       Item         Q12       Removal of Existing Power Supply and Distribution Items       Item         Q13       Incoming Raw Supply to Substations (Tenderer to specify)       Item         Q14       Substations (Tenderer to specify)       Item         Q15       High and Low Vo	P15	Other Intelligent Transport System Items: (Tenderer to specify)			
Q     RAIL       Q1     Removal of Existing Track     metre       Q2     Rail Track Complete (Tenderer to specify)     metre       Q3     Tamping     metre       Q4     Tumouts, Crossovers, Actuators etc (Tenderer to specify)     number       Q5     Other Trackwork Items: (Tenderer to specify)     metre       Q6     Removal of Existing Wiring and Poles     metre       Q7     Overhead Wiring and Poles (Tenderer to specify)     Item       Q8     Trackside posts, gantries and fitting (Tenderer to specify)     Item       Q9     Catenary Power Wiring and Tensioning Systems (Tenderer to specify)     Item       Q10     Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)     Item       Q11     Other Overhead Wiring and Poles Items: (Tenderer to specify)     Item       Q12     Removal of Existing Power Supply and Distribution Items     Item       Q13     Incoming Raw Supply to Substations (Tenderer to specify)     Item       Q14     Substations (Tenderer to specify)     Item       Q15     High and Low Voltage Power Distribution (Tenderer to specify)     Item       Q16     Transformers for Supply to Overhead Wiring     Item       Q17     Trackside Installations for Power Distribution (Tenderer to specify)     Item       Q18     Other Power Supply an					
Q       RAIL         Trackwork       metre         Q1       Removal of Existing Track       metre         Q2       Rail Track Complete (Tenderer to specify)       metre         Q3       Tamping       metre         Q4       Turnouts, Crossovers, Actuators etc (Tenderer to specify)       number         Q5       Other Trackwork Items: (Tenderer to specify)       metre         Q6       Removal of Existing Wiring and Poles       metre         Q7       Overhead Traction Power Wiring (Tenderer to specify)       Item         Q8       Trackside posts, gantries and fitting (Tenderer to specify)       Item         Q9       Catenary Power Wiring and Tensioning Systems (Tenderer to specify)       Item         Q10       Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)       Item         Q11       Other Overhead Wiring and Poles Items: (Tenderer to specify)       Item         Q11       Other Overhead Wiring and Poles Items: (Tenderer to specify)       Item         Q12       Removal of Existing Power Supply and Distribution Items       Item         Q13       Incoming Raw Supply to Substations (Tenderer to specify)       Item         Q14       Substations (Tenderer to specify)       Item         Q15       High and Low Vo					
Trackwork  Q1 Removal of Existing Track  Q2 Rail Track Complete (Tenderer to specify)  Q3 Tamping  Q4 Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Q6 Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Q7 Overhead Traction Power Wiring (Tenderer to specify)  Q8 Trackside posts, gantries and fitting (Tenderer to specify)  Q9 Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Q10 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Q13 Incoming Raw Supply to Substations (Tenderer to specify)  Item  Q14 Substations (Tenderer to specify)  Item  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)		Subto	otal, TRAFFIC SIGNAGE, SI	GNALS AND CONTROLS	\$ -
Removal of Existing Track   metre   mumber   metre   metre   mumber	$\underline{\mathbf{Q}}$	RAIL			
Removal of Existing Track   metre   mumber   metre   metre   mumber		Trackwork			
Q2       Rail Track Complete (Tenderer to specify)       metre         Q3       Tamping       metre         Q4       Turnouts, Crossovers, Actuators etc (Tenderer to specify)       number         Q5       Other Trackwork Items: (Tenderer to specify)       metre         Q6       Removal of Existing Wiring and Poles       metre         Q7       Overhead Traction Power Wiring (Tenderer to specify)       Item         Q8       Trackside posts, gantries and fitting (Tenderer to specify)       Item         Q9       Catenary Power Wiring and Tensioning Systems (Tenderer to specify)       Item         Q10       Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)       Item         Q11       Other Overhead Wiring and Poles Items: (Tenderer to specify)       Item         Q12       Removal of Existing Power Supply and Distribution Items       Item         Q13       Incoming Raw Supply to Substations (Tenderer to specify)       Item         Q14       Substations (Tenderer to specify)       Item         Q15       High and Low Voltage Power Distribution (Tenderer to specify)       Item         Q16       Transformers for Supply to Overhead Wiring       Item         Q17       Trackside Installations for Power Distribution (Tenderer to specify)       Item	Q1		metre		
Tamping metre  Q4 Turnouts, Crossovers, Actuators ete (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Q8 Removal of Existing Wiring (Tenderer to specify)  Q8 Trackside posts, gantries and fitting (Tenderer to specify)  Q9 Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Item  Q10 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Q13 Incoming Raw Supply to Substations (Tenderer to specify)  Q14 Substations (Tenderer to specify)  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)		_			
Turnouts, Crossovers, Actuators etc (Tenderer to specify)  Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles  Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Item  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Item  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Q14  Substations (Tenderer to specify)  Item  Q15  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Q16  Transformers for Supply to Overhead Wiring  Q17  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)	-				
Other Trackwork Items: (Tenderer to specify)  Overhead Wiring and Poles Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Item  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Item  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Ula Substations (Tenderer to specify)  Item  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Transformers for Supply to Overhead Wiring  Transformers for Supply to Overhead Wiring  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)	-				
Overhead Wiring and Poles  Q6 Removal of Existing Wiring and Poles (Tenderer to specify)  Q7 Overhead Traction Power Wiring (Tenderer to specify)  Q8 Trackside posts, gantries and fitting (Tenderer to specify)  Q9 Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q10 Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Q13 Incoming Raw Supply to Substations (Tenderer to specify)  Q14 Substations (Tenderer to specify)  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)			number		
Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Item  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Item  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Substations (Tenderer to specify)  Item  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Other Power Supply and Distribution (Tenderer to specify)  Item  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)  Item  Other Power Supply and Distribution Items: (Tenderer to specify)	Q3	Other Trackwork items. (Tenderer to specify)			
Removal of Existing Wiring and Poles (Tenderer to specify)  Overhead Traction Power Wiring (Tenderer to specify)  Item  Trackside posts, gantries and fitting (Tenderer to specify)  Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Item  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Substations (Tenderer to specify)  Item		Overhead Wiring and Poles			
Overhead Traction Power Wiring (Tenderer to specify)  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Removal of Existing Power Supply to Substations (Tenderer to specify)  Removal of Existing Power Supply to Substations (Tenderer to specify)  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Removal of Existing Power Supply and Distribution Items  Removal of Existing Power Supply to Substations (Tenderer to specify)  Removal of Existing Power Supply and Distribution Items  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Removal of Existing Power Supply and Distribution (Tenderer to specify)  Item  Trackide Installations for Power Distribution (Tenderer to specify)  Item  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)	06		metre		
Trackside posts, gantries and fitting (Tenderer to specify)  Q9 Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Q13 Incoming Raw Supply to Substations (Tenderer to specify)  Q14 Substations (Tenderer to specify)  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
Catenary Power Wiring and Tensioning Systems (Tenderer to specify)  Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Q14 Substations (Tenderer to specify)  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)					
Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to specify)  Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Item  Substations (Tenderer to specify)  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Other Transformers for Supply to Overhead Wiring  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)					
Specify)  Q11 Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Incoming Raw Supply to Substations (Tenderer to specify)  Q14 Substations (Tenderer to specify)  Item  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)	Q9		Hem		
Other Overhead Wiring and Poles Items: (Tenderer to specify)  Power Supply and Distribution  Removal of Existing Power Supply and Distribution Items  Iltem  Incoming Raw Supply to Substations (Tenderer to specify)  Substations (Tenderer to specify)  Item  Q15  High and Low Voltage Power Distribution (Tenderer to specify)  Item  Q16  Transformers for Supply to Overhead Wiring  Q17  Trackside Installations for Power Distribution (Tenderer to specify)  Other Power Supply and Distribution Items: (Tenderer to specify)	Q10		Item		
Power Supply and Distribution  Q12 Removal of Existing Power Supply and Distribution Items  Q13 Incoming Raw Supply to Substations (Tenderer to specify)  Q14 Substations (Tenderer to specify)  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)	011				
Q12       Removal of Existing Power Supply and Distribution Items       Item         Q13       Incoming Raw Supply to Substations (Tenderer to specify)       Item         Q14       Substations (Tenderer to specify)       Item         Q15       High and Low Voltage Power Distribution (Tenderer to specify)       Item         Q16       Transformers for Supply to Overhead Wiring       Item         Q17       Trackside Installations for Power Distribution (Tenderer to specify)       Item         Q18       Other Power Supply and Distribution Items: (Tenderer to specify)	QII	Other Overhead wiring and Foles fields. (Tenderer to specify)			
Q12       Removal of Existing Power Supply and Distribution Items       Item         Q13       Incoming Raw Supply to Substations (Tenderer to specify)       Item         Q14       Substations (Tenderer to specify)       Item         Q15       High and Low Voltage Power Distribution (Tenderer to specify)       Item         Q16       Transformers for Supply to Overhead Wiring       Item         Q17       Trackside Installations for Power Distribution (Tenderer to specify)       Item         Q18       Other Power Supply and Distribution Items: (Tenderer to specify)		Power Supply and Distribution			
Q13 Incoming Raw Supply to Substations (Tenderer to specify) Q14 Substations (Tenderer to specify) Q15 High and Low Voltage Power Distribution (Tenderer to specify) Q16 Transformers for Supply to Overhead Wiring Q17 Trackside Installations for Power Distribution (Tenderer to specify) Q18 Other Power Supply and Distribution Items: (Tenderer to specify)	012	·	Item		
Q14 Substations (Tenderer to specify)  Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
Q15 High and Low Voltage Power Distribution (Tenderer to specify)  Q16 Transformers for Supply to Overhead Wiring  Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
Q16 Transformers for Supply to Overhead Wiring Q17 Trackside Installations for Power Distribution (Tenderer to specify) Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
Q17 Trackside Installations for Power Distribution (Tenderer to specify)  Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
Q18 Other Power Supply and Distribution Items: (Tenderer to specify)					
			Item		
Signalling	Q18	Other Power Supply and Distribution Items: (Tenderer to specify)			
Inignating		G: W			
	0.0				
Q19 Removal of Existing Signalling Items Item					
Q20 Signal Plans, Control Tables and Signalling Design Item	Q20	Signal Plans, Control Tables and Signalling Design	Item		
Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for	021	Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for	Item		
Signalling)	V21	Signalling)	10III		
Q22 Control Systems, Automatic Trail Protection Item	Q22	Control Systems, Automatic Trail Protection	Item		
Q23 Interlocking Item	Q23	Interlocking	Item		
Q24 Trackside Installations for Signalling (Tenderer to specify)  Item	Q24	Trackside Installations for Signalling (Tenderer to specify)	Item		
Q25 Signalling Power Supply from Substation or Transformer Item			Item		
Q26 Signal Boxes and Buildings Item			Item		

Q27	Other Signalling Items: (Tenderer to specify)	1		
<u></u>	out organism (remove to speed))			
	Rail Communications			
Q28	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train Radio,	Item		
	SCADA, Trackside Installations for Rail Communications (Tenderer to specify)	110111		
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail Services			
Q30	(Tenderer to specify)	Item		
Q31	Other Combined Services Route Items: (Tenderer to specify)			
	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities			
Q32	Stations (Tenderer to specify)	Item		
Q33	Active Pedestrian Crossings (Tenderer to specify)	Item		
Q34 Q35	Interchanges (Tenderer to specify) Car Parks (Tenderer to specify)	metre Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37	Stabling Buildings (Tenderer to specify)	Item		
Q38	Maintenance Facilities (Tenderer to specify)	Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
Q40	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items: (Tenderer to			
Q40	specify)			
	Commissioning and Handover			
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43	Handover of Completed Facilities	Item		
Q44 Q45	Training of Operators and Management Accreditation Costs Associated with Regulatory Approval	Item Item		
Q43 Q46	Other Commissioning and Handover Items: (Tenderer to specify)	Item		
<b>Q.</b> 0	outer commissioning and radiatover forms. (renderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Rail Specific Works			
Q49	Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger	Item		
050	Movements (Tenderer to specify)			
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
		•	Subtotal, RAIL	s -
		T	Subtotal, Reffe	Ψ
<u>R</u>	<u>OTHER</u>			
R1	Other Items: (Tenderer to specify)			
			Subtotal, OTHER	\$ -
<u>s</u>	DESIGN			· · · · · · · · · · · · · · · · · · ·
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals	Item		
S3	Other: (Tenderer to specify)			
a.	Design Gate 1 (e.g. 30%)			
S4	Design Package 1	Item		
S5 S6	Independent Design Certification Package 1 Other: (Tenderer to specify)	Item		
30	Other. (Tenderer to specify)			
	Design Gate 2 (e.g. 70%)			
S7	Design Package 1	Item		
S8	Independent Design Certification Package 1	Item		
S9	Other: (Tenderer to specify)			
	Design Gate 3 (e.g. IFC)			
S10	Design Package 1	Item		
S11 S12	Independent Design Certification Package 1 Other: (Tenderer to specify)	Item		
014	oner. (renderer to specify)	1	ı l	

		I	I I	Ī
	Construction Phase Souries			
S13	Construction Phase Services  Construction Phase Design Inspections and Parasition	Tt ann		
S13	Construction Phase Design Inspections and Reporting	Item		
514	Other: (Tenderer to specify)			
	Independent Design Certification			
S15	Independent Design Certification	Item		
S16	Other Independent Design Certification Items: (Tenderer to specify)	nem		
510	other independent besign certification terms. (Tenderer to specify)			
	Construction Verification			
S17	Construction Verification	Item		
S18	Other Construction Verification Items: (Tenderer to specify)	110111		
	As Builts			
S19	As Building of the Works, Including Survey and Documentation	Item		
S20	Other As Built Items: (Tenderer to specify)			
			Subtotal, DESIGN	\$ -
<u>T</u>	ON SITE OVERHEADS (Site Specific)			
	Non-Recurring On Site Overheads			
T1	Mobilisation of Locally Based Personnel	number		
T2	Mobilisation of Interstate Based Personnel	number		
Т3	Mobilisation of Locally Based Plant and Equipment	number		
T4	Mobilisation of Interstate Based Plant and Equipment	number		
T5	Establishment of Site Facilities	Item		
T6	Establishment of Temporary Services to Site Facilities	Item		
T7	Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals	Item		
T8	Information Management System (Tenderer to specify)	Item		
Т9	CITB Levy	Item		
T10	Other Non-Recurring On-Site Overhead Items: (Tenderer to specify)			
	Recurring On Site Overheads			
T11	Project Manager	weeks		
T12	Contract Manager	weeks		
T13	Site Engineer	weeks		
T14	Contractors Design Manager	weeks		
T15	Quality Manager	weeks		
T16	Construction Manager	weeks		
T17	Safety Representative	weeks		
T18	Environmental Representative	weeks		
T19	Document Controller	weeks		
T20	Consultants	weeks		
T21	Community and Stakeholder Requirements and Management	weeks		
T22	Site Vehicles, Plant, Equipment, Scaffolding and Small tools etc.	weeks		
T23 T24	Site Accommodation Running, Services and Expenses	weeks		
T25	Safety, Training, Inductions and PPE etc. Testing Requirements	weeks weeks		
T26	Survey Requirements	weeks		
T27	Other Recurring On-Site Overheads Items: (Tenderer to specify)	Weeks		
T20	Demobilisation  Demobilisation of Plant Ferriment and Personnel	Y4		
T28 T29	Demobilisation of Plant. Equipment and Personnel  Dis Establishment of Site Establishment of Site Positition Complete	Item		
T30	Dis-Establishment of Site Facilities Complete	Item Item		
T31	Site Clean-Up Contract Works Maintenance	Item Item		
T32	Other Demobilisation Items: (Tenderer to specify)	пеш		
-52	( conserve to openity)			
TO 2	Industry and Workplace Participation and Skills Development	<b>.</b>		
T33	Industry Participation Planning and Reporting as Per The Contract Requirements	Item		
T34	Upskilling and Training Including The Planning and Reporting as Per The Contract Requirements	Item		
T35	Other Industry and Workplace Participation and Skills Development Items (Tenderer to Specify)			
			Subtotal, ON SITE OVERHEADS	\$ -
<u>U</u>	OFF SITE OVERHEADS			
U1	Off Site Overheads	%		
			•	

Subtotal, OFF SITE OVERHEADS					\$ -
<u>V</u> V1	TENDERERS PROFIT MARGIN Tenderers Profit Margin	%			
Subtotal, TENDERERS MARGIN					
<u><b>W</b></u> W1	RISK Risk	Item			
				Subtotal, RISK	\$ -
<u>X</u> X1	PROVISIONAL SUM Principal Controlled Allowance	Provisional			
Subtotal, PROVISIONAL SUM					\$ -

#### SCHEDULE 3.3 - CONTRACT PRICE SCHEDULE OF QUANTITIES AND PRICES

#### XXCXXX Contract Title

#### Site 3: Road Number Road Name, Description, Maintenance Markers

#### SUMMARY OF SCHEDULE OF PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Amount (\$)
A	ENVIRONMENTAL WORKS	\$ -
В	TRAFFIC MANAGEMENT	\$ -
C	SERVICES	\$ -
D	EARTHWORKS AND DEMOLITION	\$ -
E	RETAINING WALLS	\$ -
F	DRAINAGE	\$ -
G	BRIDGES	\$ -
Н	TUNNELS	\$ -
I	PAVEMENTS	\$ -
J	BITUMINOUS SURFACING / ASPHALT	\$ -
K	SECONDARY PAVEMENTS	\$ -
L	PAVEMENT MARKING	\$ -
M	ROAD FURNITURE	\$ -
N	LIGHTING	\$ -
o	LANDSCAPING AND URBAN DESIGN	\$ -
P	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS	\$ -
Q	RAIL	\$ -
R	OTHER	\$ -
s	DESIGN	\$ -
T	ON SITE OVERHEADS	\$ -
U	OFF SITE OVERHEADS	\$ -
V	TENDERERS PROFIT MARGIN	\$ -
W	RISK	\$ -
X	PROVISIONAL SUM	\$ -
	TOTAL	\$ -

#### SCHEDULE OF QUANTITIES AND PRICES

RATES SHALL BE EXCLUSIVE OF GST

Item No.	Description	Unit of Measurement	Estimated Quantity	Rate \$	Amount \$
<u>A</u>	ENVIRONMENTAL WORKS				
	Temporary Environmental Works				
A1	Sediment Ponds	number			
A2	Silt Fencing	metre			
A3	Shaker Grids	number			
A4	Noise Controls	metre			
A5	Noise Monitoring	weeks			
A6	Vibration Controls	Item			
A7	Vibration Monitoring	weeks			
A8	Dilapidation Reporting - Pre Construction	Item			
A9	Dilapidation Reporting - Post Construction	Item			
A10	Maintenance of Environmental Control Measures	weeks			
A11	Other Temporary Environmental Works: (Tenderer to specify)				
	Permanent Environmental Works				
A12	Sediment Ponds	number			
A13	Noise Barriers (Tender to specify by type and size)	m			
A14	Property Adjustment Works, Environmental Works (Tenderer to specify)	Item			

A15	Other Permanent Environmental Works: (Tenderer to specify)			
		Subto	 	\$
<u>B</u>	TRAFFIC MANAGEMENT			
В1	Temporary Traffic Signage	Item		
B2	Temporary Variable Message Signs	Item		
B3	Temporary Traffic Signals	Item		
B4	Temporary Lighting	_		
B5	Temporary Traffic Barriers	Item Item		
B6	Provision of Traffic Management	Item		
B7	Maintenance of Traffic Control Measures	Item		
B8	Other Traffic Management Items: (Tenderer to specify)	icin		
		Subtotal, TRAFFIC MANAGEMI	ENT AND TEMPORARY WORKS	\$
<u>C</u>	<u>SERVICES</u>			
C1	Identification and Location of Services	Item		
C2	Temporary Service Requirements (Tenderer to specify by type and size)	Item		
C2	Relocation of Services (Tenderer to specify by type and size)	Item		
C4	Protection of Services (Tenderer to specify by type and size)	Item		
C5	Provision of New Services: (Tenderer to specify)	Item		
C6	Other Services Works: (Tenderer to specify)	nem		
Co	outer services works. (Tenderer to specify)			
			Subtotal, SERVICES	\$
<u>D</u>	EARTHWORKS AND DEMOLITION			
	Preparation Works			
D1	Demolition of Existing Buildings, Structures and the like	Item		
D2	Clearing and Grubbing of Vegetated / Demolished Areas	square metre		
D3	Tree Trimming	Item		
D4	Clearing and Grubbing of Nominated Trees	number		
D5	Clearing and Grubbing of Existing Bituminous Surfacing	square metre		
D6	Stripping and Stockpiling of Topsoil Material	square metre		
D7	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D8	Saw Cutting of Existing Pavement	metre		
D9	Other Preparation Works Items: (Tenderer to specify)			
	Bulk Earthworks			
D10	Cut to Fill	cubic metre		
D11	Cut to Spoil	cubic metre		
D12	Import to Fill	cubic metre		
D13	Compliance Testing	Item		
D14 D15	Dumping/Disposal Costs (Tender to specify) Other Bulk Earthworks Items: (Tenderer to specify)	tonnes		
D13	other Bulk Laturworks fields. (Tenderer to speedly)			
	Detailed Earthworks			
D16	Cut to Fill	cubic metre		
D17	Cut to Spoil	cubic metre		
D18	Import to Fill	cubic metre		
D19	Compliance Testing	Item		
D20	Dumping/Disposal Costs (Tenderer to specify)	tonnes		
D21	Subgrade Preparation all Areas	square metre		
D22	Formation of Batters and Trimming	square metre		
D23 D24	Formation of Swale Drains Other Detailed Earthworks Items: (Tenderer to specify)	square metre		
DZT				
D25	Surface Treatments  Description of Transcil from Steakerile			
D25 D26	Respreading of Topsoil from Stockpile Other Surface Treatments Items: (Tenderer to specify)	square metre		
220	Sand Sander Fredments frems. (Tenderer to specify)			
				L

		T	1		1
<u>E</u>	RETAINING WALLS				
_					
***	Retaining Wall Type A				
E1	Tenderer to Detail Wall Type and Height	square metre			
E2	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)				
	Retaining Wall Type B				
E3	Tenderer to Detail Wall Type and Height	cauara matra			
E4	Other Items Specific to this Retaining Wall Type: (Tenderer to specify)	square metre			
LT	Other items specific to this retaining wan Type. (Tenderer to specify)				
	Other Retaining Wall Items				
E5	Other Retaining Wall Items: (Tenderer to specify)				
	Sales remaining was remain (remains to speed))				
	•		C-last DET	AINING WALLS	6
			Subtotal, KET	AINING WALLS	s -
<u>F</u>	<u>DRAINAGE</u>				
-					
	<u>Drainage Demolition</u>				
F1	Tenderer to List and Detail all Drainage Demolition Items				
F2	Drainage Structures  To down to Many and Date in the Drainage Structure	1			
F2	Tenderer to List and Detail all Drainage Structures	number			
	Pines and Ray Culverts				
F3	Pipes and Box Culverts Tenderer to List and Detail all Pipelines	motre			
1.3	Tenderer to List and Detail an Experimes	metre			
	Kerbing				
F4	Tenderer to List and Detail all Kerbing	metre			
	Total to 250 and 50 and 10 and	inetic			
	<u>Other</u>				
F5	Other Drainage Items: (Tenderer to specify)				
			Subt	otal, DRAINAGE	s -
		1	Subt	otal, DRAINAGE	<b>.</b>
<u>G</u>	BRIDGES				
	TO NY 1				
C1	Temporary Works				
G1	Tenderer to List and Detail all Temporary Works Items				
	<u>Earthworks</u>				
G2	Tenderer to List and Detail all Earthworks Items				
02	renderer to list and betan an Earthworks rems				
	Reinforced Earth Walls				
G3	Tenderer to List and Detail all Reinforced Earth Wall Items				
	Piling				
G4	Tenderer to List and Detail all Pile Items				
	Cast In Situ Concrete				
G5	Abutment Items: (Tenderer to Specify)				
G6	Pile Cap Items: (Tenderer to Specify)				
G7	Pier Items: (Tenderer to Specify)				
G8	Deck Items: (Tenderer to Specify)				
G9	Approach Slab Items: (Tenderer to Specify)				
G10	Wing Wall Items: (Tenderer to Specify)				
G11	Headstock Items: (Tenderer to Specify)				
G12	Other Cast In-Situ Concrete Items: (Tenderer to Specify)				
	Structural Steel				
G13	Tenderer to List and Detail all Structural Steel Items				
513					
	Bridge Deck Surfacing				
G14	Tenderer to List and Detail all Bridge Deck Surfacing Items				
	g g				
	Bridge Lighting				
G15	Tenderer to List and Detail all Bridge Lighting Items				
	·				
	Other Bridge Items				
G16	Tenderer to List and Detail all Other Bridge Items				

			Su	btotal, BRIDGES	\$
<u>H</u>	TUNNELS				
H1 H2	Mobilisation / Demobilisation of Tunnel Equipment and Activities				
H3	Excavation and Support (Tenderer to specify)				
нз Н4	Tunnel Linings (Tenderer to specify)				
H5	Tunnel Drainage (Tenderer to specify) Finishing Works (Tenderer to specify)				
	9 \ 1 • • • •				
H6	Tunnels Services (Tenderer to specify)				
H7	Ventilation Structures and Equipment (Tenderer to specify)				
H8	Control Buildings and Systems (Tenderer to specify)				
H9	Other Tunnel Items: (Tenderer to specify)				
			Sul	total, TUNNELS	\$
Ī	PAVEMENTS				
	Pavement Type A				
I1	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type B			1	
I2	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Pavement Type C				
13	Working Platform / Sub-Base / Base Course Layers (Tenderer to specify by type and layer)	square metre			
	Other Pavement Items				
I4	Other Pavement Items: (Tenderer to specify)				
			Subtot	al, PAVEMENTS	\$
<u>J</u>	BITUMINOUS SURFACING / ASPHALT				
	Pavement Type A				
J1	Prime (Tenderer to specify including application rate)	square metre			
J2	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J3	Other Items Specific to this Pavement Type: (Tenderer to specify)	1			
	Pavement Type B				
J4	Prime (Tenderer to specify including application rate)	square metre			
J5	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre			
J6	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Pavement Type C				
J7	Prime (Tenderer to specify including application rate)	square metre		1	
Ј8	Spray Seal / Asphalt (Tenderer to specify by type and layer)	square metre		1	
J9	Other Items Specific to this Pavement Type: (Tenderer to specify)				
	Other Bituminous Surfacing / Asphalt Items			1	
J10	Other Bituminous Surfacing / Asphalt Items: (Tenderer to specify)				
		Subtotal, BITUM	IINOUS SURFAC	CING / ASPHALT	\$
<u>K</u>	SECONDARY PAVEMENTS				
	Footpaths / Cycleway Type A			1	
	Footpath / Cycleway (Tenderer to specify by type and layer)	square metre		1	
K1		square metre			
K1 K2	Other Items Specific to this Footpath / Cycleway Type: (Tenderer to specify)			Ì	
	Footpaths / Cycleway Type B				
		square metre			
K2	Footpaths / Cycleway Type B	square metre			

	•	1 1		,	1
K6	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
	M P A CHE D				
K7	Median Infill Type B  Median Infill (Tenderer to specify by type and layer)				
K8	Other Items Specific to this Median Infill Type: (Tenderer to specify)	square metre			
Ko	Other frems specific to this Median firm Type. (Tenderer to specify)	square metre			
	Other Secondary Pavement Items				
K9	Other Secondary Pavement Items: (Tenderer to specify)				
		Subto	otal, SECONDAR	Y PAVEMENTS	<b>\$</b> -
<u>L</u>	PAVEMENT MARKING				
L1	Removal of Existing Markings and associated Devices	metre			
L2	Temporary Pavement Markings	metre			
L3	Longitudinal Markings	metre			
L4	Transverse Markings	square metre			
L5	Coloured Lane Markings	square metre			
L6	Kerb Painting	metre			
L7	Raised Pavement Markers	number			
L8	Audio Tactile Line Marking	metre			
L9	Other Pavement Marking Items: (Tenderer to specify)				
			Salara DANIEM	ENT MADIZING	e e
			oudtotai, PAVEM	ENT MARKING	\$ -
<u>M</u>	ROAD FURNITURE				
	Barriers .				
M1	W-Beam Safety Barrier	metre			
M2	TL-3 Ezy Guard 4 Steel Rail Safety Barrier	metre			
M3	TL-3 ET-SS Leading Barrier Terminal	number			
M4	Trailing Terminal - TL3	number			
M5	Terminal Ends - TL3	number			
M6	Removal of existing Safety Barrier	Item			
M7	Other Barrier Items (Tender to specify)				
	Fencing and Gates				
M8	Removal of Fencing and Gates	Item			
M9	Installation of new Fencing	metre			
M10 M11	Installation of relocated Gates	number			
IVIII	Other Fencing and Gates Items: (Tenderer to specify)				
	Other Road Furniture Items				
M12	Other Road Furniture Items: (Tenderer to specify)				
			Subtotal, ROA	AD FURNITURE	\$ -
<u>N</u>	LIGHTING				
N1	Demolition of Existing	Item			
N2	Temporary Lighting Poles, Footings etc	Item			
N3	Footings (Tenderer to specify by type)	number			
N4	Single Outreach Poles (Tenderer to specify by type)	number			
N5	Double Outreach Poles (Tenderer to specify by type)	number			
N6	Luminaires (Tenderer to specify by type)	number			
N7	Conduit (Tenderer to specify by type and size)	metre			
N8	Pits (Tenderer to specify by type and size)	number			
N9	Switchboards (Tenderer to specify by type and size)	number			
N10	Testing and Commissioning	Item			
N11	Other Lighting Items: (Tenderer to specify)				
	L		Subt	otal, LIGHTING	s -
			~ 200	, , , , , , , , ,	
<u>o</u>	LANDSCAPING AND URBAN DESIGN				
O1	Landscaping Soils	cubic metre			
O2	Landscaping / Revegetation	square metre			

-		i i			
O3	Watering Systems	number			
O4	Mulching	square metre			
O5	Maintenance of Landscaping (Tenderer to specify period)	Item			
06	Other Landscaping and Urban Design Items: (Tenderer to specify)	Item			
00	Other Landscaping and Orban Design Rents. (Tenderer to specify)				
		Subtotal, LANDS	CAPING AND	URBAN DESIGN	s -
<u>P</u>	TRAFFIC SIGNAGE, SIGNALS AND CONTROLS				
	m en cr				
70.1	Traffic Signage				
P1	Removal of Existing Signage	Item			
P2	Road Signage (Tenderer to specify by type)	number			
P3	Guide Posts	number			
P4	Other Traffic Signage Items: (Tenderer to specify)				
	Traffic Signals & Controls				
P5	Removal of Existing Signals and ITS Infrastructure	Item			
P6	Traffic Signals, Poles, Pits and Associated Infrastructure (Tenderer to specify by type)	number			
P7					
	Ducting (Tenderer to specify by size type)	metre			
P8	Loops	number			
P9	Testing and Commissioning of Traffic Signals & Controls	Item			
P10	Other Traffic Signals & Controls Items: (Tenderer to specify)				
	Intelligent Transport Systems				
P11	Intelligent Transport Systems ITS and Signage Gantries (Tenderer to specify by type)	number			
P12	Intelligent Transport Systems (Tenderer to specify)	Item			
P13	Permanent ITS Signage (Tenderer to specify by size and type)	number			
P14	Testing and Commissioning of ITS Systems	Item			
P15	Other Intelligent Transport System Items: (Tenderer to specify)				
	Subto	otal, TRAFFIC SIGNAG	E, SIGNALS A	AND CONTROLS	<b>s</b> -
Q	RAIL				
_					
	<u>Trackwork</u>				
Q1	Removal of Existing Track	metre			
Q2	Rail Track Complete (Tenderer to specify)	metre			
Q3	Tamping	metre			
Q4	Turnouts, Crossovers, Actuators etc (Tenderer to specify)	number			
Q5	Other Trackwork Items: (Tenderer to specify)				
	Overhead Wiring and Poles				
Q6	Removal of Existing Wiring and Poles (Tenderer to specify)	metre			
Q7	Overhead Traction Power Wiring (Tenderer to specify)	Item			
Q8	Trackside posts, gantries and fitting (Tenderer to specify)	Item			
Q9	Catenary Power Wiring and Tensioning Systems (Tenderer to specify)	Item			
010	Transformers, Switchgear, Insulators, Earthing, Bonding, Registration Equipment (Tenderer to	T4			
Q10	specify)	Item			
Q11	Other Overhead Wiring and Poles Items: (Tenderer to specify)				
0.15	Power Supply and Distribution				
Q12	Removal of Existing Power Supply and Distribution Items	Item			
Q13	Incoming Raw Supply to Substations (Tenderer to specify)	Item			
Q14	Substations (Tenderer to specify)	Item			
Q15	High and Low Voltage Power Distribution (Tenderer to specify)	Item			
Q16	Transformers for Supply to Overhead Wiring	Item			
Q17	Trackside Installations for Power Distribution (Tenderer to specify)	Item			
Q18	Other Power Supply and Distribution Items: (Tenderer to specify)				
	Signalling				
Q19	Removal of Existing Signalling Items	Item			
Q20	Signal Plans, Control Tables and Signalling Design	Item			
	Mechanical and Civil Works for Signalling Installation (including Services Route if Solely for				
Q21	Signalling)	Item			
Q22	Control Systems, Automatic Trail Protection	Item			
Q23	Interlocking	Item			
Q24	Trackside Installations for Signalling (Tenderer to specify)	Item			
Q24 Q25	Signalling Power Supply from Substation or Transformer				
		Item			
Q26	Signal Boxes and Buildings	Item		1	1

Q27	Other Signalling Items: (Tenderer to specify)			
	Rail Communications			
	Public Address Systems, CCTV, Passenger Information Systems, Precise Clocks, Train Radio,	_		
Q28	SCADA, Trackside Installations for Rail Communications (Tenderer to specify)	Item		
Q29	Other Rail Communications Items: (Tenderer to specify)			
	Combined Services Route			
Q30	Excavation, Backfilling, Conduits, Pits and Markers to Provide a Trunk Route for Rail Services	Item		
Q31	(Tenderer to specify) Other Combined Services Route Items: (Tenderer to specify)			
	1 7/			
Q32	Stations, Interchanges, Buildings, Stabling and Maintenance Facilities  Stations (Tenderer to specify)	Item		
Q32 Q33	Active Pedestrian Crossings (Tenderer to specify)	Item		
Q33 Q34	Interchanges (Tenderer to specify)	metre		
Q35	Car Parks (Tenderer to specify)	Item		
Q36	Rail Administration Buildings (Tenderer to specify)	Item		
Q37	Stabling Buildings (Tenderer to specify)	Item		
Q37 Q38	Maintenance Facilities (Tenderer to specify)	Item		
Q39	Cleaning Facilities (Tenderer to specify)	Item		
Q37	Other Stations, Interchanges, Buildings, Stabling and Maintenance Facilities Items: (Tenderer to	Item		
Q40	specify)			
	Commissioning and Handayar			
041	Commissioning and Handover	Itani		
Q41	Testing and Commissioning of Component and Integrated Systems	Item		
Q42	Overall Commissioning of Integrated Systems	metre		
Q43	Handover of Completed Facilities	Item		
Q44	Training of Operators and Management	Item		
Q45	Accreditation Costs Associated with Regulatory Approval	Item		
Q46	Other Commissioning and Handover Items: (Tenderer to specify)			
	Rolling Stock			
Q47	Design, Procurement, Delivery and Commissioning (Tenderer to specify)	Item		
Q48	Other Rolling stock Items: (Tenderer to specify)			
	Other Rail Specific Works			
- 10	Alternative Commuter Costs - Bus Substitutes, Network Upgrades to Facilitate Passenger			
Q49	Movements (Tenderer to specify)	Item		
Q50	Other Rail Specific Works Items: (Tenderer to specify)			
			Subtotal, RAIL	s -
<u>R</u>	OTHER			
R1				
KI	Other Items: (Tenderer to specify)			
			Subtotal, OTHER	\$ -
<u>s</u>	<u>DESIGN</u>			
	Preliminary Design Functions			
S1	Investigations	Item		
S2	Approvals	Item		
S3	Other: (Tenderer to specify)			
1		1		
	Design Gate 1 (e.g. 30%)			
S4	Design Package 1	Item		
S5	Design Package 1 Independent Design Certification Package 1	Item Item		
	Design Package 1			
S5	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)			
S5	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%)			
\$5 \$6	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%) Design Package 1	Item Item		
S5 S6	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%)	Item		
\$5 \$6 \$7 \$8	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%) Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)	Item Item		
\$5 \$6 \$7 \$8 \$9	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%) Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 3 (e.g. IFC)	Item Item Item		
\$5 \$6 \$7 \$8 \$9	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%) Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 3 (e.g. IFC) Design Package 1	Item Item Item		
\$5 \$6 \$7 \$8 \$9	Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 2 (e.g. 70%) Design Package 1 Independent Design Certification Package 1 Other: (Tenderer to specify)  Design Gate 3 (e.g. IFC)	Item Item Item		

		I	1	Ī
	Construction Phase Services			
S13	Construction Phase Design Inspections and Reporting	Item		
S14	Other: (Tenderer to specify)	Hem		
	Substitution to speedily)			
	Independent Design Certification			
S15	Independent Design Certification	Item		
S16	Other Independent Design Certification Items: (Tenderer to specify)			
	Construction Verification			
S17	Construction Verification	Item		
S18	Other Construction Verification Items: (Tenderer to specify)			
	As Builts			
S19	As Building of the Works, Including Survey and Documentation	Item		
S20	Other As Built Items: (Tenderer to specify)			
			Subtotal, DESIGN	<b>s</b> -
	T	1	T T	
<u>T</u>	ON SITE OVERHEADS (Site Specific)			
	Non-Recurring On Site Overheads			
T1	Mobilisation of Locally Based Personnel	number		
T2	Mobilisation of Interstate Based Personnel	number		
T3	Mobilisation of Locally Based Plant and Equipment	number		
T4	Mobilisation of Interstate Based Plant and Equipment	number		
T5	Establishment of Site Facilities	Item		
T6	Establishment of Temporary Services to Site Facilities	Item		
T7	Provision of Insurances, Bank Guarantee Fees and Other Contract Approvals	Item		
T8	Information Management System (Tenderer to specify)	Item		
Т9	CITB Levy	Item		
T10	Other Non-Recurring On-Site Overhead Items: (Tenderer to specify)			
	Recurring On Site Overheads			
T11	Project Manager	weeks		
T12	Contract Manager	weeks		
T13 T14	Site Engineer	weeks		
T15	Contractors Design Manager	weeks		
T16	Quality Manager Construction Manager	weeks weeks		
T17	Safety Representative	weeks		
T18	Environmental Representative	weeks		
T19	Document Controller	weeks		
T20	Consultants	weeks		
T21	Community and Stakeholder Requirements and Management	weeks		
T22	Site Vehicles, Plant, Equipment, Scaffolding and Small tools etc.	weeks		
T23	Site Accommodation Running, Services and Expenses	weeks		
T24	Safety, Training, Inductions and PPE etc.	weeks		
T25	Testing Requirements	weeks		
T26	Survey Requirements	weeks		
T27	Other Recurring On-Site Overheads Items: (Tenderer to specify)			
	<u>Demobilisation</u>			
T28	Demobilisation of Plant. Equipment and Personnel	Item		
T29	Dis-Establishment of Site Facilities Complete	Item		
T30	Site Clean-Up	Item		
T31	Contract Works Maintenance	Item		
T32	Other Demobilisation Items: (Tenderer to specify)			
	Industry and Waylinlage Paytigingtion and Skills Davidson			
T33	Industry and Workplace Participation and Skills Development  Industry Porticipation Planning and Penarting as Par The Contract Paguiroments	Ĭ+		
	Industry Participation Planning and Reporting as Per The Contract Requirements	Item		
T34	Upskilling and Training Including The Planning and Reporting as Per The Contract Requirements	Item		
T35	Other Industry and Workplace Participation and Skills Development Items (Tenderer to Specify)			
133	one, moustly and workplace I arrespation and skins Development tiems (Tenderer to Specify)			
			Subtotal, ON SITE OVERHEADS	\$ -
	OFF SITE OVERHEADS			
TY.		i	1	
<u>U</u> U1	OFF SITE OVERHEADS Off Site Overheads	%		

			Subtotal, OFF SIT	TE OVERHEADS	\$ -
<u>v</u>	TENDERERS PROFIT MARGIN				
V1	Tenderers Profit Margin	%			
Subtotal, TENDERERS MARGIN					<b>s</b> -
<u>w</u>	RISK				
W1	Risk	Item			
		1	I	Subtotal, RISK	<b>s</b> -
<u>X</u>	PROVISIONAL SUM				
X1	Principal Controlled Allowance	Provisional			
Subtotal, PROVISIONAL SUM					\$ -

**OFFICIAL** Revision 0

#### SCHEDULE 4 STANDARD INDUSTRY PARTICIPATION PLAN

#### XXCXXX Contract Title

Tenderers must complete an Industry Participation Plan (IPP) online at: www.saipp.sa.gov.au

Tenderers must submit a copy of the completed IPP with the tender.

Guidelines and templates are also available to assist tenderers to understand the detail and information required to meet Industry Participation Policy requirements.

For further assistance with completing the form, please contact the following:

Phone: (08) 8226 8956 Email: oia@sa.gov.au

Address: Level 17, 30 Wakefield Street (Wakefield House) Adelaide, 5000

..... Tenderer's signature Date DIT 22C314 Page 43

.....

#### **SCHEDULE 6 - TENDER FORM**

#### Tenderer to complete using BLOCK LETTERS

TO THE DIRECTOR:

Tendered Sum (exclusive of GST)

## XXCXXX Contract Title

\$0.00

I/We the undersigned, do hereby tender to perform the above mentioned works in accordance with the Request for Tender Documents.

GST amount				\$0.00
Tendered Sum (inclusive	of GST)			\$0.00
I/We acknowledge the red	ceipt of addenda numbered	d: rt number of addena	X la received)	
Tenderers Name:	X	t number of addend	ia receivea )	
ABN:	X	ACN:	X	
Address:	X			
Telephone Number:	X	Mobile:	X	
Contact E-mail Address:	<u>X</u>			
I/We declare that this tenepotential respondent to the	_	t there has not been	any unlawfi	ul collusion with any other
Signature of Tenderer:		Nan	ne:	X
Position in Company:	X			
Signature of Witness:		Name of Witnes	ss:	X
Dated the:	X	day of:	X	20 X
<u>DI</u>	TENDER ECLARATION IN RELA	FORM (CONTINI ATION TO UNLA		<u>LLUSION</u>
	XXCX	XXX Contract Title	<u>e</u>	
$ \begin{array}{ccc} \mathbf{I} & X \\ \mathbf{of} & X \\  & \\  & \\  & \\  & \\  & \\  & \\  &$				
I hold the position of: Within:	X X			

#### OFFICIAL: Sensitive

(Tenderer) and that I am authorised to provide this declaration on its behalf.

- <sup>2</sup> I confirm that the tender submitted by the Tenderer is independent and that there has not been any unlawful collusion with any other tenderer or party in connection with this tender process. This clause does not apply to any formal joint venture contractual arrangement entered into between the Tenderer and any other person(s), the details of which have been provided to the Principal as part of the tender submitted by the Tenderer.
- 3 To the best of my knowledge, I declare that I am not aware of any matters which might give rise to a real or perceived conflict of interest, except for any matter identified as such which has been submitted with my tender. [Insert "NONE" in the table if there are no conflict of interests OR complete the table, below]

Name	Describe Real/Perceived Conflict of Interest
X	X

4 I confirm that the total value of the goods and/or services to be provided by **subcontractors**, to the extent known at the time of making this declaration, is: \$0 (including GST) [Insert "NIL" if no subcontractors OR add amount and complete the table, below]

5 Where subcontract work comprises more than 25% of the value of this tender, the Tenderer is required to a complete list of all **subcontractors**, the value, and the nature of the work to be provided under each sub-contract, to the extent known at the time of making this declaration. The total provided must be equal to that provided for Clause 3 above. Where this value is 25% or less Tenderers are required to enter 'Nil' within the 'Value of Work' column.

Subcontractor Name	Description Of Work	Value Of Work (Including GST)
X	X	\$0
	TOTAL	\$0

- 6 I understand that if any part of this declaration is found to be false the Principal reserves the right (regardless of any subsequent dealings) to:
  - terminate negotiations with the Tenderer;
  - terminate consideration of the Tenderer's bid; and
  - terminate any contract between the Tenderer and the Principal in relation to the Project without any obligation on the Principal to make any payment to the Tenderer.

Signature:	Date:	X

Note: If the tender is submitted jointly with another party or parties, each party must sign this declaration.

	Α	В	С	D	E	F	G	Н	I	J	K	L
1		•										
2						SCHEDULE 8 - PI	RINCIPAL'S RE	QUIREMENTS				
3											_	
ш		Title				Document Type	Discipline	Status	KNet No.	DIT Comments	Author Company	DIT Knet File name
4		1				Bocument Type	Discipline	(e.g., IFC, Final etc.)	Hyperlink	DIT Comments	ruthor company	DIT Ruct I iic name
5	C	Other Contract Documents										
6	C01.01											
7	C01.02											
6 7 8 9	C01.03											
9												
10	P	Principal Documents										
11	P01	Scope of Contract			Document Revision:							
12	P01.01											
11 12 13												
	P02	Appendices			Document Revision:							
15	P02.01											
16	P02.02											
17	P02.03 P02.04											
18	P02.05											
20	P02.06											
21	P02.07											
22	P02.08											
23	P02.09											
24	P02.10											
25					Amendment							
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	P03	Design Drawings	Drawing Numl	per Sheet Number(s)	Number							
27	P03.01											
28	P03.02 P03.03											
29	P03.04											
31	P03.05											
32												
33	P04	Other (add as required)										
34	P04.01											
35	P04.02											
36												

# SCHEDULE 8.1 - PRINCIPAL'S REQUIREMENTS RELEVANT DEPARTMENT MASTER SPECIFICATION

Marine (MA) <a href="https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Marine">https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Marine</a>

Public Realm (PR) <a href="https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Public Realm">https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Public Realm</a>

Project Controls (PC https://dit.sa.gov.au/contractor\_documents/masterspecifications/Project\_Controls

Roads (RD) <a href="https://dit.sa.gov.au/contractor-documents/masterspecifications/Roads">https://dit.sa.gov.au/contractor-documents/masterspecifications/Roads</a>

Structures (ST) <a href="https://dit.sa.gov.au/contractor-documents/masterspecifications/Structures">https://dit.sa.gov.au/contractor-documents/masterspecifications/Structures</a>

Railway (RW) <a href="https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Railway">https://www.dit.sa.gov.au/contractor\_documents/masterspecifications/Railway</a>

Part No.	Title	Applicable
MARINE		
MA-DR-C1	Dredging Works	
MA-JW-C1	Timber Jetty Works	
PROJECT CONTR	OLS	
PC-CN1	Testing and Commissioning	
PC-CN2	Asset Handover	
PC-CN3	Construction Management	
PC-CN4	Temporary Works	
PC-CS1	Community Engagement and Media Management	
PC-CS2	Local Business Support	
PC-EDM1	Design Management	
PC-EDM2	Safety Management In Design	
PC-EDM3	Independent Design Certification	
PC-EDM4	Construction Verification	
PC-EDM5	Digital Engineering	
PC-EDM6	Systems Engineering Management	
PC-ENV1	Environmental Management	
PC-ENV2	Environmental Protection Requirements	
PC-ENV3	Environmental Design	
PC-ENV4	Noise Assessment, Treatment Design, and Implementation	
PC-H1	Aboriginal Heritage and Native Title	
PC-H2	Non-Aboriginal Heritage	
PC-IN1	Interpretation	
PC-IN2	Glossary of Terms	
PC-PM1 to 5	Project Management	

PC-QA1	Quality Management Requirements	
PC-QA2	Quality Management Requirements For Major Projects	
PC-SC1	Site Contamination	
PC-SI1	Site Surveys	
PC-SI2	Site Investigations	
PC-SI3	Condition Surveys	
PC-SI4	GIS & Aerial and Remote Data Capture Standard	
PC-SI5	Engineering Survey	
PC-SI6	Hazardous Materials Survey and Assessment	
PC-SM1	Traffic and Pedestrian Management	
PC-SM2	Site and Access Management	
PC-ST1	Sustainability in Design	
PC-ST2	Sustainability in Construction	
PC-US1	Utility Services	
PC-WHS1	Work Health and Safety	
TRANSPORT PLANNI	ING PARTS	
PC-PL1	Framework For Planning Studies	
PC-PL2	Planning Investigations	
PC-PL3	Concept Design Development	
PC-PL4	Constructability Assessments	
PC-PL5	Cost Estimation	
PUBLIC REALM		
PR-AC-D1	Aboriginal Cultural Expression and Engagement in Infrastructure Design	
PR-LS-C10	Installation and Maintenance of Water Sensitive Urban Design	
PR-LS-C11	Tree and Shrub Pruning and Removal	
PR-LS-C12	Tree Hollow Relocation and Habitat Creation	
PR-LS-C2	Planting	
PR-LS-C3	Lawn Establishment	
PR-LS-C4	Tree and Palm Transplanting	
PR-LS-C6	Hydroseeding and Direct Seeding	

PR-LS-C7	Topsoil and Earthworks	
PR-LS-C8	Plant Rescue and Maintenance	
PR-LS-C9	Irrigation	
PR-LS-D1	Landscape and Urban Design	
PR-LS-D2	Landscape Design	
PR-LS-M1	Maintenance of Plants	
PR-LS-M2	Maintenance of Hydroseeded and Direct Seeded Areas	
PR-LS-M3	Maintenance of Lawns	
PR-LS-M5	Bushcare	
PR-LS-S1	Supply of Plant Material	
PR-MA-M1	Herbaceous and Woody Weed Control	
PR-PF-D1	Designing For Accessibility	
RAILWAY		
PC-RW10	Railways Management Planning	
PC-RW20	System Safety and Assurance	
PC-RW30	Design	
PC-RW40	Track Access	
PC-RW50	Inspection Testing and Commissioning	
PC-RW60	Asset Management Handover	
RW-COM-D1	Communications and Electronics	
RW-EE-D1	Electrical Systems and Traction Power	
RW-OHW-D1	Overhead Wiring	
RW-RAMS-D1	Reliability Availability Maintainability and Supportability	
RW-SE-D1	Signalling	
RW-ST-D1	Structures	
RW-STS-D1	Stations	
RW-TC-D1	Track and Civil Design and Construction	
ROADS		

RD-BF-C1	Supply and Installation of Steel Beam Safety Barrier Systems				
RD-BF-C2	Wire Rope Safety Barrier Systems				
RD-BF-C3	Construction of Concrete Safety Barrier Systems				
RD-BF-C4	Supply and Installation of Fencing and Gates				
RD-BF-D1	Design of Roadside Safety Barriers				
RD-DK-C1	Installation of Stormwater Drainage				
RD-DK-C2	Kerbing				
RD-DK-D1	Road Drainage Design				
RD-DK-S1	Supply of Pipes and Culverts				
RD-GM-D1	Road Design				
RD-GM-D2	Road Safety Audits				
RD-GM-D4	Traffic Analysis and Modelling				
RD-LM-C1	Application of Pavement Marking				
RD-LM-C2	Supply and Application of Audio Tactile				
RD-LM-C3	Installation of Guide Posts and Delineators				
RD-LM-C4	Sign Installation				
RD-LM-D1	Traffic Control Device Design				
RD-LM-S1	Materials For Pavement Marking				
RD-LM-S2	Supply of Signs				
RD-LM-S3	Supply of Guide Posts and Delineators				
RD-PT-D1	Bus Infrastructure Design				
BITUMINOUS PRODUCTS					
RD-BP-C1	Cold Planing				
RD-BP-C2	Construction of Foamed Bitumen Stabilised Pavement				
RD-BP-C3	Construction of Asphalt Pavement				

RD-BP-C4	Application of Thin Asphalt Surfacings	
RD-BP-C6	Slurry Microsurfacing of Pavements	
RD-BP-C8	Application of Pavement Crack Sealant	
RD-BP-C9	Texture Restoration of Sealed Road	
RD-BP-D2	Design and Application of Sprayed Bituminous Surfacing	
RD-BP-D4	Surface Characteristics of Flexible Pavements	
RD-BP-S1	Supply of Bituminous Material	
RD-BP-S2	Supply of Asphalt	
RD-BP-S3	Supply of Pavement Crack Sealant	
RD-BP-S4	Supply of Cold Mix Asphalt	
<b>EARTHWORKS AND</b>	PAVEMENTS	
RD-EW-C1	Earthworks	
RD-EW-C2	Trench Excavation and Backfill	
RD-EW-C3	Boring	
RD-EW-C4	Controlled Low Strength Material	
RD-EW-D1	Design of Earthworks For Roads	
RD-EW-S1	Supply of Geotextiles	
RD-PV-C1	Construction of Unstablised Granular Pavements	
RD-PV-C2	Construction of Shoulders	
RD-PV-C3	In Situ Pavement Stablisation	
RD-PV-C4	Construction of Shared Path Pavements	
RD-PV-C5	Construction of Minor Pavements	
RD-PV-C6	Reinstatement of Existing Pavements	
RD-PV-C7	Permeable Paving For Trees	
RD-PV-D1	Pavement Investigation and Design	
RD-PV-D3	Concrete Road Pavements	
RD-PV-S1	Supply of Pavement Materials	
RD-PV-S2	Plant Mixed Stablised Pavement	

ELECTRICAL and IT	s	
RD-EL-C1	Installation of Road Lighting	
RD-EL-C2	Installation of Traffic Signals	
RD-EL-C3	Supply and Installation of Conduits and Pits	0
RD-EL-C4	Installation of Safety Cameras at Traffic Signals and Mid Block Sites	
RD-EL-D1	Design of Road Lighting	
RD-EL-D2	Traffic Signal Design	
RD-EL-D3	Conduit Design For Road Lighting, Traffic Signals and ITS	
RD-EL-S1	Supply of Luminaries and Lighting Components	
RD-EL-S3	Supply of LED Traffic Signal Lanterns	
RD-ITS-C1	Installation and Integration of ITS Equipment	
RD-ITS-C2	Mains Power Supplies For Roadside Traffic Management Equipment	
RD-ITS-C3	Telecommunications Cabling	
RD-ITS-D1	Design of Intelligent Transport Systems (ITS)	
RD-ITS-D2	Trafficnet Infrastructure Buildings	
RD-ITS-D3	Ramp Metering Systems	
RD-ITS-S1	General Requirements For The Supply of ITS Equipment	
RD-ITS-S2	Roadside Electrical Switchboards	
RD-ITS-S3	ITS Enclosures	
RD-ITS-S4	Supply of Electronic Signs	
RD-ITS-S5	Imaging Equipment	
RD-ITS-S6	Field Processors	
RD-ITS-S7	Supply and Installation of Motorway Vehicle Detection Systems	
STRUCTURES		
ST-BF-C1	Bearings	0
ST-BF-C2	Deck Expansion Joints	0
ST-BF-C4	Bridgework Sundries	

ST-PI-C1	Driven Piles	
ST-PI-C2	Cast-in-place Concrete Piles	
ST-PI-C3	Continuous Flight Auger (CFA) Piles	
ST-PI-C4	Diaphragm Walls	
ST-RE-C1	Reinforced Soil Structures	
ST-RE-C2	Soil Nailing	0
ST-RE-C3	Supply and Installation of Gabions, Reno Mattresses and Mesh Panels	
ST-RE-D1	Design of Reinforced Soil Structures	
ST-RE-D2	Design of Retaining Walls	
ST-SC-C1	Pre-tensioned Concrete	
ST-SC-C2	Post Tensioned Concrete	0
ST-SC-C3	Fibre Reinforced Polymer Composite Strengthening of Concrete Structures	
ST-SC-C4	Sprayed Concrete Work	
ST-SC-C6	Formwork	
ST-SC-C7	Placement of Concrete	
ST-SC-S1	Normal Class Concrete	
ST-SC-S2	Geopolymer Concrete	
ST-SC-S3	Precast Concrete Units	
ST-SC-S4	Low Pressure Steam Curing of Precast Units	
ST-SC-S5	Heat Accelerated Curing	
ST-SC-S6	Steel Reinforcement	
ST-SC-S7	Supply of Concrete	
ST-SD-D1	Design of Structures	
ST-SP-C1	Earthworks For Structures	
ST-SS-C1	Transportation and Erection of Structural Members	
ST-SS-S1	Fabrication of Structural Steelwork	
ST-SS-S2	Protective Treatment of Structural Steelwork	
ST-SS-S3	Galvanizing	

#### SCHEDULE 9.1 SEPARABLE PORTION A

Contract Information are not to be amended by the Tenderer.

This Schedule 9 Separable Portion A is to be read together with the MW21 (December 2024 version).

The Works shall comprise Separable Portion A, and, if requested by the Principal (in its absolute discretion), Separable Portions B and C, each of which are included in this Schedule 9. The Contract Price for each Separable Portion is specified in Contract Information Item 40.

Item 1 Separable Portion

The Separable Portion is:

Item 2 Purpose of the Works

The purpose of the Works is:

If no purpose is stated, then the purpose of the Works is as reasonably inferred from the Contract Documents

Item 3 Milestones

Milestone 1: Completion of » Milestone 2: Completion of »

and all of the work and obligations under the Contract not included in any other Milestone.

12 months

[insert Yes or No] [insert Yes or No]

[insert Yes or No]

Post Completion Period

The Post Completion Period, which starts when the work under the Contract reaches Completion, is:

If no time is stated, then no Post Completion Period applies.

OR

The Post Completion Period, which starts when Milestone [insert] reaches Completion, is: If no time is stated, then no Post Completion Period applies. [insert] calendar weeks/ months

The Post Completion Periods for the Milestones are:

Milestone 1:

Milestone 2

Milestone »:

If no time is stated for a Milestone, then no Post Completion Period applies to that Milestone

Item 5 Contract Price

> The Contract Price (which is inclusive of GST) at the Date of Contract: Refer to the Tender Form of the Work Order Offer

The basis of payment is:

(Lump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates)

ump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates

Item 7 **Extent of Design** 

Must the Contractor carry out all design necessary in connection with the Works?

Must the Principal carry out all design necessary in connection with the Works?

Must the Contractor complete the design provided by the Principal?

Not applicable. The Contractor need not submit the completed design.

**Design Documents** Item 8

The time to submit the completed design is:

OR The time to submit the completed design is: [insert] Days before it is to be used for construction.

If no time is stated, then it is 7 Days before the completed design is to be used for construction.

Item 11 Site Access

The time to give access to the Site is:

OR

The times to give access to the Site are:

Milestone 1: Milestone 2:

Milestone »:

Within [insert] days after release of the Pre-Commencement Hold Points

days after the Date of Contract.

Item 12 Date or time for Completion

The date or time for Completion is:

The dates or times for Completion are:

Milestone 1:

Milestone 2: Milestone »

[insert] calendar weeks from the date of the Date of Contract.

[insert] calendar weeks from the Date of Contract.

[insert] calendar weeks » [insert] calendar weeks »

Item 13 Delay Costs

OR

The rate per day for delay costs is:

OR The rate per day for delay is:

\$[insert], except for delay that occurs after Completion of Milestone [insert] when the rate per day is \$10.

Item 14 Liquidated Damages

The rate per day for liquidated damages is:

If no rate or "Nil" or "0" or "N/A" is stated, then common law damages apply.

OR

The rate per day for liquidated damages is: Milestone 1:

Milestone 2:

Milestone »:

If no rate is stated for a Milestone, then common law damages apply for that Milestone.

List approvals that have been obtained or will be obtained by the Principal e.g. Vegetation removal, aboriginal heritage, land acquisition, service relocati

#### Item 16 Security

Is the Contractor required to provide a Completion Undertaking and Post Completion Undertaking?

The amount of the Completion Undertaking is?

The amount of the Post Completion Undertaking is?

A retention amount equal to 5% of the Contract Price.

Yes/No

 $[2\% \ of \ the \ {\it Contract Price} \ \ (excluding \ GST) \ at \ the \ Date \ of \ Contract.]$ 

[1% of the Contract Price (excluding GST) at the Date of Contract.]

Yes/No

#### SCHEDULE 9.2 SEPARABLE PORTION B

Contract Information are not to be amended by the Tenderer.

This Schedule 9 Separable Portion A is to be read together with the MW21 (December 2024 version).

No works associated with Separable Portion B are to be undertaken unless and until such time as the Principal, in its absolute discretion, provides a formal request in writing in accordance with the Conditions of the MW21 Contract. No payments will be made by the Principal in relation to Separable Portion B, unless a formal request to proceed with the applicable Separable Portion has been provided by the Principal to the Contractor in writing

The Works shall comprise Separable Portion A, and, if requested by the Principal (in its absolute discretion), Separable Portions B and C, each of which are included in this Schedule 9. The Contract Price for each Separable Portion is specified in Contract Information Item 40.

Item 1 Separable Portion

The Separable Portion is:

Item 2 Purpose of the Works

The purpose of the Works is:

If no purpose is stated, then the purpose of the Works is as reasonably inferred from the Contract Documents

Item 3 Milestones

> Completion of » Milestone 1: Milestone 2: Completion of >

and all of the work and obligations under the Contract not included in any other Milestone

12 months

Item 4 **Post Completion Period** 

The Post Completion Period, which starts when the work under the Contract reaches Completion, is:

If no time is stated, then no Post Completion Period applies.

The Post Completion Period, which starts when Milestone [insert] reaches Completion, is: If no time is stated, then no Post Completion Period applies. [insert] calendar weeks/ months

The Post Completion Periods for the Milestones are:

Milestone 1:

OR

Milestone »:

If no time is stated for a Milestone, then no Post Completion Period applies to that Milestone

Item 5 Contract Price

The Contract Price (which is inclusive of GST) at the Date of Contract: Refer to the Tender Form of the Work Order Offer

The basis of payment is:

cump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates (Lump sum/Schedule of Rates as set out in Schedule 7/Lump sum with Schedule of Rates)

> [insert Yes or No] [insert Yes or No]

[insert Yes or No]

Extent of Design Item 7

Must the Contractor carry out all design necessary in connection with the Works?

Must the Principal carry out all design necessary in connection with the Works?

Must the Contractor complete the design provided by the Principal?

Not applicable. The Contractor need not submit the completed design.

[insert] Days before it is to be used for construction.

**Design Documents** 

The time to submit the completed design is:

The time to submit the completed design is:

If no time is stated, then it is 7 Days before the completed design is to be used for construction.

Item 11 Site Access

Item 8

The time to give access to the Site is: OR

The times to give access to the Site are: Milestone 1:

Milestone 2:

Milestone »:

Within [insert] days after release of the Pre-Commencement Hold Points

days after the Date of Contract.

Item 12 Date or time for Completion

The date or time for Completion is:

OR

The dates or times for Completion are:

Milestone 2:

Milestone 1:

Milestone »:

Item 13 Delay Costs

OR

The rate per day for delay is:

\$[insert] The rate per day for delay costs is:

The rate per day for liquidated damages is:

If no rate or "Nil" or "0" or "N/A" is stated, then common law damages apply

OR

The rate per day for liquidated damages is:

Milestone 1:

Item 14 Liquidated Damages

[insert] calendar weeks from the date of the Date of Contract

[insert] calendar weeks from the Date of Contract.

[insert] calendar weeks » [insert] calendar weeks »

\$[insert], except for delay that occurs after Completion of Milestone [insert] when the rate per day is \$10.

List approvals that have been obtained or will be obtained by the Principal

e.g. Vegetation removal, aboriginal heritage, land acquisition, service relocation

Milestone 2: Milestone »: If no rate is stated for a Milestone, then common law damages apply for that Milestone.

Is the Contractor required to provide a Completion Undertaking and Post Completion Undertaking?

The amount of the Completion Undertaking is?

The amount of the Post Completion Undertaking is?

A retention amount equal to 5% of the Contract Price.

Yes/No

[2% of the Contract Price (excluding GST) at the Date of Contract.]

[1% of the Contract Price (excluding GST) at the Date of Contract.]

#### SCHEDULE 11 SCHEDULE OF DELAY COSTS

XXCXXX Contract Title

All rates shall be exclusive of GST.

Delay Costs are for project recurring on site overheads only.

	SEPARABLE PORTION A	SEPARABLE PORTION B
<b>Table 20.1</b>	Delay costs per business day for whole of Works (\$)	Delay costs per business day for whole of Works (\$)
A1 - Delay costs for delay in access to the Site	\$ -	\$ -
A2 - Delay costs for delay other than in access to the Site	\$ -	-
	<u>.</u>	
Number of Working days on which the tender is based:	0	0

#### DESCRIPTION OF DELAY COSTS (ON SITE OVERHEADS ONLY)

SEPARABLE PORTION A	SEPARABLE PORTION B
Description of Costs included in the Delay Rates in table 20.1	Description of Costs included in the Delay Rates in table 20.1
X	X
X	X

Examples of recurring on site overhead costs prior to access to site (A1): This includes, but is not limited to, items such as rent and maintenance of head office or other office accommodation during start up and prior to site access / Project Management and other staff prior to site establishment / etc.

Examples of recurring onsite overheads following access to site (A2): This includes but is not limited to, items such as staff costs and associated expenses (e.g. project manager, engineers, supervisors, etc) / site vehicles / survey /general plant, equipment and small tools not costed to specific direct cost work items / recurring site security/ recurring site facility costs (i.e. shed hire) / etc.

## SCHEDULE 12 SCHEDULE OF RATES FOR VARIATIONS

XXCXXX Contract Title

#### ALL ITEMS SHALL BE LISTED AND SHALL BE EXCLUSIVE OF GST

	Description	Unit of Measurement	Rate \$	
A	UNBOUND PAVEMENTS			
A1	150mm PM1/20QG	m2		
A2	200mm PM1/20QG	m2		
A3	150mm PM2/20QG	m2		
A4	200mm PM2/20QG	m2		
A5	325mm PM2/20QG	m2		
A6	Other - Tenderer to nominate			
В	SPRAY SEAL			
В1	S20E binder at 1.0 L/m2	m2		
B2	14mm screenings @ 100m2/m3	m2		
В3	S20E binder at 0.6 L/m2	m2		
B4	Seal C170	m2		
B5	7mm screenings @ 170m2/m3	m2		
В6	Other - Tenderer to nominate			
$\mathbf{C}$	Other: (Tenderer to Specify)			
C1	Other - Tenderer to nominate			

## SCHEDULE 13 SCHEDULE OF RATES FOR DAYWORKS

XXCXXX Contract Title

## ALL RATES ARE EXCLUSIVE OF GST

#### LABOUR

CLASSIFICATION	Rate (\$) per hour
Project Manager	
Design Manager	
Structural / Civil Engineer	
Site Engineer	
Contract Administrator	
Supervisor	
Survey Officer	
Survey Assistant	
Leading Hand	
Welder	
Concreter	
Steel fixer	
Labourer	

PLANT (Rates for plant are all inclusive, e.g. inclusive of operator, fuel, maintenance etc).

ITEM	DESCRIPTION (Make, Year, Model)	Rate (\$) per hour
<u>Excavators</u>		
Class 20		
Class 25		
Class 40		
Loaders (rubber tyred)		
Tenderer to specify		
<u>Graders</u>		

enderer's signature	Date	DIT XXCXXX	Page 60

Tenderer to specify
2 Shace of to specify
<u>Backhoes</u>
Tenderer to specify
Compaction Equipment
Three wheel steel drum
Tandem, smooth drum
vibrating roller - Class 5 Tandem, smooth drum
vibrating roller - Class10 Tandem, smooth drum
vibrating roller - Class 12. Vibrating plate (small e.g.
paving type)
Vibrating plate (large e.g. BPU3345)
Plate compactor (e.g. "Wacker")
Water Cart
<u>Truck</u>
Tenderer to specify
<u>Crane</u>
Tenderer to specify
<u>Light Vehicle</u>
Tenderer to specify
<u>Miscellaneous</u>
Tenderer to specify

# SCHEDULE 14 WORKING TIMES XXCXXX Contract Title

I/We propose to observe the following working days and hours, vide Clause "Working Days and Hours of Work"

Working Days and Hours

Number of days to be worked per week

X Days

Number of hours to be worked per day:

Tenderer to nominate within the following table

Calendar Name	Working Times	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
ABC-123	Number of hours to be worked per day (Hours)	X	X	X	X	X	X	X
	Starting Time (AM)	Y	Y	Y	Y	Y	Y	Y
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z
BCD-234	Number of hours to be worked per day (Hours)	X	X	X	X	X	X	X
	Starting Time (AM)	Y	Y	Y	Y	Y	Y	Y
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z
CDE-345	Number of hours to be worked per day (Hours)	X	X	X	X	X	X	X
	Starting Time (AM)	Y	Y	Y	Y	Y	Y	Y
	Finishing Time (PM)	Z	Z	Z	Z	Z	Z	Z

Rostered Days Off

Proponent to nominate

XX/XX/XXXX XX/XX/XXXX XX/XX/XXXX

 $Note: Working \ hours \ need \ to \ make \ allowance \ for \ breaks$ 

#### SCHEDULE 15 NOMINATED CONTRACTOR'S PERSONNEL

#### XXCXXX Contract Title

Tenderers are to provide a list of the resources allocated including:

- a) Key Personnel nominated to the project as per Project Scope Section 3.1 Project Management
- b) Back up Resources;

Key Nominated Personnel Job Title Brief Description  Back up Resources Job Title Brief Description			
	Key Nominated Personnel	Job Title	Brief Description
Back up Resources Job Title Brief Description	•		•
Back up Resources Job Title Brief Description			
Back up Resources Job Title Brief Description			
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Back up Resources Job Title Brief Description			
Back up Resources Job Title Brief Description			
	Back up Resources	Job Title	Brief Description
	•		•

#### SCHEDULE 16 APPROACH TO TASK AND METHODOLOGY

XXCXXX Contract Title

Tenderers are to provide:

- 1) Construction methodology inclusive of proposed staging of works, also showing schematic traffic diagrams for each stage individually and construction of pavement layers and edge joint;
- 2) Detailed Program of Work showing critical path for each Milestone;
- 3) Estimated quantities (in tonnes) of each type of pavement material required for the works for each project location;
- 4) Meeting environmental and quality requirements; and
- 5) Deadlines specified in Contract Scope Section 6.1 and Contract Information are met.

Note: Nothing written within or implied from the approach to methodology shall qualify any part of a Principal's documents, unless approved by the Principal.

## **APPENDIX 3 – LETTER OF AWARD EXAMPLE**

PSA No. 20C951, Preferred Supply Arrangement – Civil and Bridges (PSACB)

Revision: 5

Version: December 2024 Page 19 of 19



In reply please quote #[KNet number] Enquiries to [Sender name] – [email or telephone]

> **COMMERCIAL AND** CONTRACT **MANAGEMENT**

Level 8, 83 Pirie Street Adelaide SA 5000 Kaurna Country

**GPO Box 1533** Adelaide SA 5001 DX 171

W dit.sa.gov.au

ABN 92 366 288 135

T 1300 872 677

**Dear Recipient** 

Recipient-title

Recipient-company

XXXXXXXXX Street

Suburb SA 5XXX

Recipient-email

Mr./Mrs./Mx. Recipient-name

PSA No. 20C951, Preferred Supply Arrangement - Civil and Bridges (PSACB), Letter of Award

Build. Move. Connect.

- 1. I refer to your [revised] Work Order Offer dated 1 March 2023 [Insert CMS Contract No.] and am pleased to confirm that your offer is accepted.
- 2. A copy of this Letter of Award duly signed for and on behalf of the Commissioner of Highways (the "Principal") and the following documents (in order of precedence) constitutes a binding contract between you and the Principal:
  - a. GC21 General Conditions of Contract (December 2024 Version) / MW21 General Conditions of Contract (December 2024 Version) (including the Contract Information) referred to at Attachment 1 of the Application (terms and conditions); [Insert Contractor name] complied with the proposed Terms and Conditions provided in the email from DIT.PSA@sa.gov.au dated 21 November 2024, without any further amendment; and
  - b. your <a href="revised">[revised</a>] Work Order Offer dated <a href="[insert date">[insert date</a>] (attached to this Letter).

(together the "Contract")

For the purpose of clarity, the Tender Documents do not form part of the Contract.

- 3. The date of this letter shall be the Date of Contract for the purpose of the terms and conditions.
- 4. [The Works under the Contract shall comprise Separable Portion A, and, if directed by the Principal (in its absolute discretion), Separable Portion B, which is included in Schedule 15 of the Contracts.

- 5. In accordance with information contained in the Guidelines and your acknowledgement in your Application, your signed acceptance of this Letter must be returned to the Principal within 5 business days of being forwarded by the Principal.
  - Please:
    - print out the signing page and sign where indicated;
    - scan the page back into electronic format;
    - email the signed page to <a href="DIT.CivilConstructionCF@sa.gov.au">DIT.CivilConstructionCF@sa.gov.au</a>; and
    - Post the original signed page to:

Senior Pre-Contracts Officer Department for Infrastructure and Transport Level 8, 83 Pirie Street, Adelaide, South Australia 5000.

- 6. Please note that the Principal's acceptance of your Work Order Offer is conditional on you complying with the requirements of paragraph 4 of this letter, and should you fail to do so then unless advised otherwise in writing by the Principal, this acceptance of your Work Order Offer will be deemed withdrawn, and the Contract terminated, with no compensation payable by the Principal to you, including for any work under the Contract performed by you prior to the withdrawal.
- 7. No right to possession of the Site will arise if the Letter of Award is not executed by you as required by paragraph 5 of this letter.
- 8. Please provide TWO unconditional undertakings of \$[insert] and \$[insert], in accordance with the terms and conditions, within 14 days of the date of this letter to the Contract Administration Team, Department for Infrastructure and Transport, Level 8, 83 Pirie Street, Adelaide SA 5000. Please ensure that the undertakings are in the name of the Commissioner of Highways as the "Beneficiary" and do not contain expiry dates.
- 9. [A further TWO unconditional undertakings of \$[insert] each for Separable Portion B, TWO unconditional undertakings of \$[insert] each for Separable Portion C will be requested if the Principal directs you to perform Separable Portion B and/or C.] Delete if not required.
- 10. Please quote the Department Contract No. XXCXXX and Purchase Order No. XXXXX / Project No. XXXX on your invoices. Further liaison for this Contract will be with XXXXXXXXXX, telephone (08) XXXX XXXX or mobile XXXX XXX XXX or XXXXXXXXXXX, telephone (08) XXXX XXXX or mobile XXXX XXX.

Congratulations on your success in being awarded this Contract.

Yours sincerely

Neil Welsh A/Director, Procurement Services for and on behalf of: Commissioner of Highways

**Months Year** 

## **SIGNED** by **THE CONTRACTOR** in

accordance with section 127 of the *Corporations Act 2001* (Cth) by two directors or by one director and the company secretary:

Director signature Director/Company Secretary signature

Director name Director/Company Secretary name

Date Date