TENDER WSC 17-034

2017 PROGRAM FOR RELINING OF SEWER MAINS, AND REINSTATING HOUSEHOLD JUNCTIONS, WINTON, QLD

Job Name: 2017 Sewer Relining Program in Winton, Qld
Quote Name: WSC17-034
Closing: Time: 2:00pm
Date: Monday 15th May 2017
Location: Winton Shire Council
75 Vindex Street
Winton QLD 4735
Tender Submission via LG Tenderbox

Contact Officer: Richard Sheedy
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engineer@winton.qld.gov.au
Contents

GENERAL ............................................................................................................................................. 3
DETAILS OF WORK REQUIRED............................................................................................................. 3
WORKING ENVIRONMENT .................................................................................................................. 3
   Hours of Work .................................................................................................................................. 3
   Other Requirements ........................................................................................................................... 3
   Water .................................................................................................................................................. 4
   Light and Power .................................................................................................................................. 4
   Advertising .......................................................................................................................................... 4
DESCRIPTION OF WORKS .................................................................................................................... 4
TIMING AND PRICE VALIDITY PERIOD ................................................................................................. 5
SUBMISSION REQUIREMENTS ............................................................................................................. 6
   Traffic Management Plan .................................................................................................................. 6
   WH&S Site Safety Plan for the Works ............................................................................................... 6
   Works Programme ............................................................................................................................. 6
   Project Environmental Management Plan ....................................................................................... 6
A Schedule of Rates Quotation ........................................................................................................... 7
   Quality of Product and Maintenance ............................................................................................... 7
   Testing of Installed Liner .................................................................................................................... 7
   Guarantee and Life Expectancy .......................................................................................................... 7
   Experience ........................................................................................................................................... 8
   Reinstatement of House Connections and Junction Sealing ............................................................ 8
Sub – Contractors ................................................................................................................................ 8
ALTERNATIVE SUBMISSIONS ............................................................................................................... 8
SECURITY AND INSURANCES ........................................................................................................... 8
   Security ............................................................................................................................................... 8
   Insurances .......................................................................................................................................... 9
Registration and Licences .................................................................................................................... 9
MEASUREMENT, PAYMENT AND PENALTIES .................................................................................... 9
EVALUATION PROCESS ....................................................................................................................... 9
LODGEMENT DETAILS ....................................................................................................................... 10
ENQUIRES AND FURTHER INFORMATION ......................................................................................... 10
SCHEDULE OF TENDERED RATES .................................................................................................... 10
GENERAL
Winton Shire Council ("Council") is seeking tenders for sewer rehabilitation of approximately m of 150mm diameter sewer mains in Winton. Winton is located in central west Queensland, approximately 600km west/south west of Townsville and 865km west of Rockhampton.

DETAILS OF WORK REQUIRED
The works required are all those necessary to reline approximately;
- 280 m of 225mm diameter vitreous clay sewer line
- 3541m of 150mm diameter vitreous clay sewer line
This includes cleaning and videoing and reinstatement of live junctions to lined sewer main.

WORKING ENVIRONMENT
Hours of Work
Normal works hours for delivering this work is Monday to Saturday between the hours of 7.00am and 5.00pm. Subject to application by the contractor, Council may consider the extension of normal work hours to enable work to be undertaken in streets where kerbside parking or traffic volume may affect access to manholes. The following conditions will apply should approval be granted to extend normal working hours:
1. No power generating plant (vibration and noise emitting plant) shall be used outside the normal working hours;
2. Extended work hours shall be within the hours of 6:00am to 10:00pm Monday to Saturday and 9am-5pm Sunday.
3. The Contractor in accordance with MUTCD Part 3, shall provide traffic control for work on roads;
4. Council shall not be liable for any additional costs incurred by the Contractor while working outside the normal hours, including standby or overtime; and Council reserves the right to limit this approval at no cost to Council.

Other Requirements
In addition to meeting the normal Statutory WH&S requirements, the Contractor is also required to comply with the provisions of Council’s WH&S Policy. This includes adherence to Council’s Drug and Alcohol policy, a copy of the Policy can be provided on request.

The Contractor is responsible for the location and protection of all services both underground and above ground. As most of the sites are in residential areas, any waste materials are to be promptly removed from sites and the sites are to be maintained in a tidy manner. Waste collection bins are to be provided by the Contractor and regularly emptied at the Contractors expense.
Water
Council shall supply the Contractor, free of charge at existing mains/hydrants, the water necessary for the proper conduct of the works. If, in the opinion of the Superintendent, water is being wasted, the Superintendent may restrict the supply, or Council may make a charge for water.

If such a charge be made, or if water be restricted either on the Superintendent’s order or through failure of supply, the Contractor will not have any claim for compensation or for an extension of time. Such a restriction by the Superintendent will not be unreasonably made. The Contractor shall be responsible for the supply and installation of all equipment, fittings and fixtures necessary to secure the supply of water from Council’s mains. Under no circumstances shall water be taken from private services.

Light and Power
The Contractor shall install at own expense any temporary electric light and power installations required, all in accordance with the requirements of Ergon Energy and pay all charges incurred. All lighting systems in underground workings shall be operated as 32 volt maximum systems and shall be constructed using weatherproof fluorescent type luminaries. Should the generating plant be required by the Contractor for emergency supply of electric power such equipment shall be supplied, operated and maintained by the Contractor at own cost.

Advertising
The Contractor shall not exhibit, or permit to be exhibited, any advertisements on the site or on any land to which they have access under the Contract, unless the written permission of the Superintendent has been obtained.

DESCRIPTION OF WORKS
The works to be executed in this agreement shall consist of all work associated with the inspection, cleaning, design, manufacture, supply, delivery to site, installation, and testing of an acceptable sewer liner for the specified sewer mains. The conduits to be rehabilitated are vitreous clay gravity mains.
The Contractor shall be responsible for maintaining a sewer service in all mains to be relined and the identification and location of all house service connections, vent lines and incoming sewer lines to the sewer section to be lined.

The Contractor shall notify affected customers with by completing either;
- A letter drop to the households directly
- Alternatively a letter drop to the post office for all households in town with a program of works

A minimum of forty-eight (48) hours in advance of the works notice is required. The notification shall include the contact details of the contractors’ project manager/supervisor of works.

The Contractor shall make all provision for sealing off the section of sewer to be lined, and the diversion of the sewage flow by pumping around the section to be
lined for the duration of the work. The Contractor shall clean and isolate the pipe to allow installation of the lining system. This will include control of infiltration, as necessary, to allow installation of the liner. No debris shall be trapped between the liner and the conduit being lined. Cleaning shall be carried out by high-velocity water jet unit and shall include the removal of roots, silt and debris from the conduits. This material shall then be removed to the disposal point at Winton Shire Council Landfill Site. The Winton Superintendent shall identify the exact location for disposal. Care shall be taken not to damage the pipes during cleaning. Lining shall not commence until a cleaned and prepared section has been inspected by the Winton Water and Sewer Supervisor and the Superintendent and the Contractor has provided written confirmation that the proposed method of relining has the appropriate characteristics to repair the defects evident, the Superintendent shall review the information provided and advise the Contractor as to the actions to be relined. The Contractor shall provide facilities for inspection of the sewer mains by closed circuit television, C.C.T.V., or other approved means prior to, during and subsequent to lining. A visual recorded copy (colour) and report detailing the internal condition of the rehabilitated conduits shall be supplied to the Council on completion of the work. The Council will have full ownership and intellectual rights to the recording and its contents. C.C.T.V. inspection/reporting shall be in accordance with the Australian Conduit Condition Evaluation Manual and in a recognised format.

The Contractor shall be fully responsible for all vehicular and pedestrian traffic control/diversion necessary at the site. All work shall be in accordance with MUTCD Part 3 Works on Roads. Liners shall be sealed at connections to manholes. Any damage to manholes shall be reinstated, including the rendering of manholes benches and liner ends. The locations of sewer mains to be rehabilitated are identified on the plans provided. No warranty is given or implied in respect of the accuracy of information on these plans. Contractors are expected to identify each line on the drawing based on the information provided in the asset index. If rehabilitation work has to be abandoned owing to an obstruction in the sewer main, the Contractor shall proceed to complete the work from the alternative manhole, where practicable. If this is not successful, the Contractor shall inform the Superintendent.

Materials supplied for relining shall be capable of maintaining current flows and support in excess of 7m of vertical ground pressure.

**TIMING AND PRICE VALIDITY PERIOD**

Quoted amounts are required to remain valid for 60 days from the advertised date of the closing of quotations. Council requires contractors to commence work within 4 weeks of project award, and are flexible with the finish date provided all works associated with sewer rehabilitation are completed by 31 August 2017.

Tenders should indicate if they will not be available to commence the works within 28 days of Council’s Letter of Acceptance of their tender. It is anticipated that the tender will be awarded within 1 week of the advertised date of the closing of tenders.
SUBMISSION REQUIREMENTS

Documents to be submitted with tender;

<table>
<thead>
<tr>
<th>Document description</th>
<th>Submitted with tender</th>
<th>Submitted once tender accepted, 10 days before works commence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Management Plan</td>
<td>✓ (can be draft/generic)</td>
<td>✓ (site specific)</td>
</tr>
<tr>
<td>Quality Management Plan</td>
<td>✓ (can be draft/generic)</td>
<td>✓ (site specific)</td>
</tr>
<tr>
<td>Environmental Management Plan</td>
<td>✓ (can be draft/generic)</td>
<td>✓ (site specific)</td>
</tr>
<tr>
<td>Safety Management Plan</td>
<td>✓ (can be draft/generic)</td>
<td>✓ (site specific)</td>
</tr>
<tr>
<td>Construction Program</td>
<td>✓</td>
<td>✓ (current as possible)</td>
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<tr>
<td>Schedule of Rates Price</td>
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<tr>
<td>Product guarantees</td>
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<tr>
<td>Product/contractor experience</td>
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<tr>
<td>Subcontractors experience</td>
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</tr>
<tr>
<td>Design elements for product</td>
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<td></td>
</tr>
</tbody>
</table>

Traffic Management Plan
A Traffic Control Plan, prepared in accordance with the MUTCD Part 3 Works on Road must be prepared. It shall specifically need to address;

- Pedestrian activity interaction
- Cyclists interaction
- The movements of materials/plant/labour into and out of the sites
- Vehicles (through vehicles)
- Special vehicles (anything other than mentioned above)

That may be encountered during rehabilitation works

WH&S Site Safety Plan for the Works
The Site Safety Plan shall be in a format that complies with current WH&S regulations and shall cover all aspects of the sewer rehabilitation works and give adequate consideration to dangers to the general public.

Safe Work Method Statements and Procedures for all works procedures that are expected to be completed such as working in confined spaces i.e. manholes shall be detailed in the Site Safety Plan.

The detailed site specific WH&S Plan is to be submitted to Winton Shire Council for review before coming to site.

Works Programme
A draft program is to be submitted with the tender detailing the course of the works should include as a minimum;

- Establishment date at Winton
• Notification periods for when residents are to be notified of the impending works
• CCTV works
• Reline works
• Post reline CCTV/testing
• Completion date

**Project Environmental Management Plan**
This plan shall set out how the Contractor shall protect the environment from potential contamination by the proposed works, what safeguards will be applied, how they will be effective and when will they be removed.

**A Schedule of Rates Quotation**
The Schedule of tendered rates on page 11 is to be filled out and submitted. An alternative or non-conforming tender is able to be submitted as per section 6 on page 6, “Submission Requirements”.

**Quality of Product and Maintenance**
Tenderers shall submit with their quote, complete details of;
- The lining material proposed (including details of physical & chemical properties)
- Details of the proposed method of installation
- Available & applicable test and/or performance data including where used on previous projects and referees for those projects.
- The product compliance with Australian Standard AS3500
- Details of any suggested or necessary maintenance which the Principal should undertake to preserve the relining works during the working life of the liner should also be stated in the Quote.

**Testing of Installed Liner**
The required testing to ensure that the liner shall be two fold;
Spherical or shape test: Each relined sewer link shall be
Seal test: The Tenderer shall nominate the vacuum testing proposed to be carried out to ensure that the manufactured and installed products meet the Tenderer’s Product Specification or relevant Standard or Code. The Product Specification should be attached.

In all cases, Tenderer’s shall supply all details which may be necessary to enable full assessment of the material and method of installation.

**Guarantee and Life Expectancy**
The required life of the liner is 50 years, tenderer’s shall state in their Schedule of Rates, the anticipated in-situ life of the proposed liner, the period over which they are
prepared to guarantee the liner, the conditions under which such a guarantee would apply and the form it would take.

**Experience**
Tenderers shall list similar recently completed works and the plant and equipment to be used during the tenancy of the Contract. A list of referees on previous works carried out and their contact details must be provided.

**Reinstatement of House Connections and Junction Sealing**
Full details of previous experience of use of the cutter to be used in the reinstatement of house branch connections, for the sewer diameters to be relined under the Contract, shall be provided with the tender. Alternatively, if the proposed technique does not involve the use of a cutter, then full details of the proposed reinstatement process shall be provided with the tender. Tenders that require excavation to reinstate house service inlets are not acceptable.

**Sub – Contractors**
The Tenderer shall submit with their quote, a statement of the nature and extent of any works proposed to be sublet, and the name and address of the person proposed as Sub-Contractor, and in conjunction therewith detailed evidence shall be submitted to the satisfaction of the Principal of the Sub-Contractor’s resources (financial, technical, labour, materials, plant and equipment) to carry out the works ensuring that the Sub-Contractor is competent to carry out the works in accordance with the Plans and Specifications as required by the Principal.

**ALTERNATIVE SUBMISSIONS**
If an alternative proposal is submitted, the Tenderer must:

a) Show how it differs from the specified design;
b) Show that the alternative proposal satisfies the design and performance criteria on which the specified design rely;
c) Detail and quantify the advantages which the alternative tender offers to Council;
d) Identify the effects of the alternative tender on the tender price and the programme; and

e) Propose milestones for the submission of further drawings and specifications.

**SECURITY AND INSURANCES**

**Security**
SECURITY HELD AMOUNT TO BE RETURNED*
General works 10% of quotation, to be released 3 months after Practical Completion

*Subject to all works under contract being successfully undertaken / damage restored etc.

Security, as specified above, is to be provided within 10 working days from the date of the letter of acceptance.
The council accepts either Bank Guarantee or Cash as a form of security.
Insurances
The Contractor shall maintain the following insurance cover:
Public Liability - $20m
Professional Indemnity - $5M
Workers Compensation – in accordance with the Qld requirements
Vehicles – comprehensive insurance
Proof of currency of these insurances will be required prior to the commencement of works. Any subcontractors used on the works shall also comply with the above insurances.

Registration and Licences
All vehicles used on the works must be registered and kept in a roadworthy Condition. All staff (including subcontractors) must be able to demonstrate that they hold the appropriate Qld permits and licences for the works that they are undertaking and have received Qld Construction Induction (white card) and have been given a Site Specific induction.

MEASUREMENT, PAYMENT AND PENALTIES
Payment shall be made for all activities associated with completing the work detailed in this specification in accordance with Pay Items set out in the SCHEDULE OF RATES.
The Schedule of Rates shall provide for product testing, including testing in sewers, and installation of sewer lining systems together with the provision of a 3 months defects liability period in accordance with the Specification. Lengths of sewer mains have been measured from centre of manhole to centre of manhole and payment will be based on these measurements and the Schedule of Rates. Progress Claims can be made on the last day of every month. Any delay in completion of work after 31st August 2017 shall incur a penalty of $1,000.00 per day and shall be deducted either from the last payment or from the security held.

EVALUATION PROCESS
Tenderers must supply information to the Councils satisfaction that their offer satisfactorily complies with the Specification. Tenders meeting the mandatory criteria will be evaluated against the following selection criteria:
a. Financial (Price) – total cost to carry out works – 60% weighting.
b. Technical Merit – minimum 50 years life expectancy & maintaining existing service – 10% weighting.
c. Capability and Experience – with jobs of similar size and type – 5% weighting.
d. Customer service – ability to prove excellent customer relations to users affected by the works being carried out - 5% weighting.
e. Occupational Health and Safety – adherence to OH&S policies and practices – 10% weighting.
f. Company Profile – Industry recognition and track records – 5% weighting.
g. Environmental – environmental mitigation measures adopted – 5% weighting.
LODGEMENT DETAILS
Firms should send their proposals so as to reach the Tender Box no later than 3:00pm on Monday 15th May 2017. Submissions, clearly endorsed “Sewer Rehabilitation Tender 11/07”, should be sent to: LG Tenderbox

Late submissions will not be considered. Submissions sent by email or fax will not be considered.

ENQUIRES AND FURTHER INFORMATION
For further information, or to arrange an inspection of the site, please contact Council’s Director of Works, Richard Sheedy on (07) 4657 2666.

SCHEDULE OF TENDERED RATES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description of Work</th>
<th>Unit</th>
<th>Qty</th>
<th>Rate</th>
<th>Amount</th>
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<td>Establishment</td>
<td>Item</td>
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<tr>
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<td>280</td>
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<td>3</td>
<td>Cleaning of 150mm diameter sewage main</td>
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<td>4</td>
<td>Initial closed circuit television (CCTV) inspection</td>
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<td>5</td>
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<td>7</td>
<td>Testing of relined sewer lines</td>
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<td>8</td>
<td>Junction reinstatement</td>
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<td>10</td>
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<td>11</td>
<td>Benching of Manholes</td>
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<td>12</td>
<td>Site cleanup/disestablishment</td>
<td>Item</td>
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</table>

Price
GST
GST Incl

Name, address and A.B.N. of tenderer:

________________________________________
(Signature and date) (Witness)