

ITEM 15

TENDER T19/45 - LEVEL 2 STRUCTURAL CONDITION INSPECTIONS FOR WOLLONGONG CITY COUNCIL'S BRIDGE, BOARDWALK AND JETTY ASSETS

This report recommends acceptance of a tender for Level 2 Structural Condition Inspections for Wollongong City Council's Bridge, Boardwalk and Jetty Assets in accordance with the requirements of the Local Government Act 1993 and the Local Government (General) Regulation 2005.

Council will engage a contractor for the completion of Level 2 Structural Condition Inspections in accordance with the RMS Bridge Inspection Procedure Manual and RTA Timber Bridge Manual for Wollongong City Council's Bridge, Boardwalk and Jetty Assets. The specific assets to be inspected are a selection from the total asset stock based on their age and criticality.

## RECOMMENDATION

- 1 In accordance with clause 178(1)(a) of the Local Government (General) Regulation 2005, Council accept the tender of ARRB Group Ltd for Level 2 Structural Condition Inspections, in the sum of \$166,000, excluding GST.
- 2 Council delegate to the General Manager the authority to finalise and execute the contract and any other documentation required to give effect to this resolution.
- 3 Council grant authority for the use of the Common Seal of Council on the contract and any other documentation, should it be required, to give effect to this resolution.

## REPORT AUTHORISATIONS

Report of: Andrew Heaven, Manager Infrastructure Strategy and Planning (Acting)  
Authorised by: Andrew Carfield, Director Infrastructure + Works - Connectivity Assets + Liveable City

## ATTACHMENTS

There are no attachments for this report.

## BACKGROUND

Council undertakes Level 2 engineering condition inspection on its bridge, boardwalk, jetty and major culvert (span >6m) assets on an approximately 5-yearly basis. This round of condition inspections is currently overdue. 193 structures have been identified for inspection and assessment. The objective of this engagement is to gain detailed knowledge of the nature and condition the asset stock to -

- Inform immediate maintenance tasks required to minimise risk to users.
- Inform the development of future preventative maintenance programs.
- Identify the need for and scope of future Level 3 inspections.
- Inform the development of future reconstruction and rehabilitation works delivered under Council's Capital Works program.
- Quantify resources required (financial and non-financial) to successfully deliver maintenance, inspection and capital works programs.
- Assist in the effective quantification, componentisation, data collection and recording of the bridge, boardwalk and jetty asset stock for asset management and valuation purposes.

The scope of the contractor's engagement is -

- Complete Level 2 Condition Inspections in accordance with RMS Bridge Inspection Procedure Manual.
- Drilling and testing of timber elements in accordance with the RTA Timber Bridge Manual.
- Preparation and submission of Level 2 condition assessment and timber drilling reports.
- Capture, collation, organisation and submission of asset inspection imagery.
- Identification of maintenance recommendations and associated estimates to assist works planning and programming.
- Participation in debrief workshops.

Tenders were invited for this project by the Open tender method with a close of tenders of 10.00 am on Tuesday 14 April 2020.

Nine tenders were received by the close of tenders and all tenders have been scrutinised and assessed by a Tender Assessment Panel constituted in accordance with Council's Procurement Policies and Procedures and comprising representatives of the City Works and ISP Divisions.

The Tender Assessment Panel assessed all tenders in accordance with the following assessment criteria and weightings as set out in the formal tender documents:

## **MANDATORY CRITERIA**

### **Referees**

Provision of satisfactory references from referees for previous projects of similar size and scope.

### **Staff qualifications and experience**

All inspectors shall suitably qualified and experienced in order to be eligible to undertake works on this contract. Each inspector shall either:

- a Hold Level 2 Bridge Condition Inspection Accreditation with any of the Australian State or Territory authorities AND be conversant with the inspection methodologies defined in the RMS Bridge Inspection Procedure Manual, Second Edition dated June 2007 and RTA Timber Bridge Manual Edition 1 Revision 0, June 2008.

And/Or

- b Be an experienced bridge inspector who has attended a Bridge Inspection Level 2 training course, has five years demonstrated experience in Level 2 bridge condition inspections AND be conversant with the inspection methodologies defined in the RMS Bridge Inspection Procedure Manual, Second Edition dated June 2007 and RTA Timber Bridge Manual Edition 1 Revision 0, June 2008.

And/Or

- c Demonstrate:
  - i Relevant pre-requisite qualifications or experience through a minimum of five years' experience in construction, maintenance, rehabilitation or inspection of road structures will be required. Relevant tertiary or trade qualifications shall also be considered.
  - ii Satisfactory completion of both a Level 2 for Bridge Inspectors Training Course.
  - iii Technical knowledge and competency with respect to bridge and other road structures. The inspector must have the ability to correctly identify and interpret the severity and nature of structural and material defects, assess their criticality and make the appropriate recommendations with respect to required action.

- iv Be conversant with the inspection methodologies defined in the RMS Bridge Inspection Procedure Manual, Second Edition dated June 2007 and RTA Timber Bridge Manual Edition 1 Revision 0, June 2008.
- v Demonstrated previous experience completing Level 2 Condition inspections in line with the following criteria.

## ASSESSABLE CRITERIA

Cost to Council 40%.

Appreciation of scope of works and inspection methodology 15%.

Experience and satisfactory performance in undertaking projects of similar size, scope and risk profile 15%.

Workplace health and safety management system 10%.

Staff experience 10%.

Project Schedule 5%.

Demonstrated strengthening of local economic capacity 5%.

The mandatory assessment criteria have been met by the recommended tenderer.

The Tender Assessment Panel utilised a weighted scoring method for the assessment of tenders which allocates a numerical score out of 5 in relation to the level of compliance offered by the tenders to each of the assessment criteria as specified in the tender documentation. The method then takes into account pre-determined weightings for each of the assessment criteria which provides for a total score out of 5 to be calculated for each tender. The tender with the highest total score is considered to be the tender that best meets the requirements of the tender documentation in providing best value to Council. Table 1 below summarises the results of the tender assessment and the ranking of tenders.

**TABLE 1 – SUMMARY OF TENDER ASSESSMENT**

Name of Tenderer	Ranking
ARRB Group Ltd	1
Technocrete Pty Ltd	2
SMEC Australia Pty Limited	3
JJ Ryan Consulting Pty Ltd	4
Western Sydney University	5
BG&E Pty Limited	Non-Conforming
Bureau Veritas Asset Integrity and Reliability Services Pty Ltd	Non-Conforming
Neilly Davies & Partners Pty Ltd	Non-Conforming
ZIGO Constructions Pty Ltd	Non-Conforming

## PROPOSAL

Council should authorise the engagement of ARRB Group Ltd to carry out the Level 2 Structural Condition Inspections for Wollongong City Council's Bridge, Boardwalk and Jetty Assets in accordance with the scope of works and technical specifications developed for the project.

The recommended tenderer has satisfied the Tender Assessment Panel that it is capable of undertaking the works to Council's standards and in accordance with the technical specification.

Referees nominated by the recommended tenderer have been contacted by the Tender Assessment Panel and expressed satisfaction with the standard of work and methods of operation undertaken on their behalf.

## CONSULTATION AND COMMUNICATION

- 1 Members of the Tender Assessment Panel
- 2 Nominated Referees
- 3 External Consultants – TAI

## PLANNING AND POLICY IMPACT

This report contributes to the delivery of Our Wollongong 2028 goal 6 "We have affordable and accessible transport". It specifically delivers on the following:

Community Strategic Plan	Delivery Program 2018-2021	Operational Plan 2019-20
Strategy	3 Year Action	Operational Plan Actions
6.3.2 Maintain the service levels of our roads, footpaths and cycle ways to an acceptable standard	6.3.2.1 Deliver sustainable transport asset renewal programs and projects	Deliver the road resurfacing and reconstruction program

## RISK ASSESSMENT

The risk in accepting the recommendation of this report is considered low on the basis that the tender process has fully complied with Council's Procurement Policies and Procedures and the Local Government Act 1993.

The risk of the project works or services is considered Low based upon Council's risk assessment matrix and appropriate risk management strategies will be implemented.

## SUSTAINABILITY IMPLICATIONS

No materials will be used in these works as this project involves bridge condition assessments.

Performing these condition assessments is a proactive approach to managing Council's assets, which leads to efficiencies and cost savings as the future upgrade and maintenance works are based on the outcome. It allows Council to more intelligently spend on upgrades and maintenance.

Sustainable technologies will be used while conducting the condition assessment of Council's assets, for example the use of survey drones will be implemented where it is difficult to access or unsafe for human investigation.

As nine submissions were reviewed and scrutinised and due diligence performed on these submissions, the Tender Assessment Panel has ensured that Council is receiving best value for money with regard to these works.

## FINANCIAL IMPLICATIONS

It is proposed that the total project be funded from the following source/s as identified in the Operational Project 124142.

## CONCLUSION

The recommended tenderer has submitted an acceptable tender for this project and the recommendation in this report should be endorsed.