

7 CONTRACT 19/43 - ENGINEERING DESIGN SERVICES FOR PRINCES HIGHWAY INTERSECTION UPGRADES

FILE REFERENCE INT2019429

RESPONSIBLE GENERAL MANAGER Peter Benazic

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RECOMMENDATION

That:

- The Tender submitted by BG&E for the McMullen Road, Arena Blvd, & Thewlis Road intersection designs be accepted for CT19/43a - Engineering Design Services for Princes Highway Intersection Upgrades for the lump sum amount of \$247,800.00 (Exc GST), and;
- The Tenders submitted by Cardno Victoria for the Brunt Road/Whiteside Road, Bayview Road, & Station St/Tivendale Road intersection designs be accepted for CT19/43b - Engineering Design Services for Princes Highway Intersection Upgrades for the lump sum amount of \$372,890.01(Exc GST) , and;
- The remaining tenderers be advised accordingly and;
- The common seal of the Council be affixed to the contract documents.

Attachments

1 Confidential Memorandum - Circulated to Councillors only 5 Pages

EXECUTIVE SUMMARY

Tenders have been sought for Engineering Design Consultants to progress previously approved functional layout designs of six (6) intersections identified for upgrades on the Princes Highway between Beaconsfield and Pakenham. The Contract enables the procurement of 3-dimensional detailed designs for each intersection, with final approval from VicRoads (VR)/Department of Transport (DOT) being required for the designs. Along with associated construction tender documentation, provided as part of the Contract, Council will be able to call for tenders to construct the intersections at the conclusion of the Contracts.

This contract focuses on the engagement of a specialist/s VR pre-qualified design consultant/s to complete all aspects of the detailed design, including feature survey, geotechnical investigations, service proving and relocation recommendations, pavement design and gaining VR/DOT approval.

This report provides consideration for the appointment of two (2) consultants to undertake the services required under CT19/43 - Engineering Design Services for Princes Highway Intersection Upgrades.

It is recommended that for best value for money to Council, that award two separate tenderers to:

1. BG&E for the McMullen Road, Arena Blvd, & Thewlis Road intersection designs, and
2. Cardno for the Brunt Road/Whiteside Road, Bayview Road, & Station St/Tivendale Road intersection designs

BACKGROUND

The Officer and Cardinia Road Precinct Structure Plans identified that a number of intersections along Princes Highway would need upgrading to cater for the traffic volume increases and, proposed concept layouts to cope with the growth. On-going steady residential development occurring within the Officer and Cardinia Road PSP areas has been adding to the strains on the Princes Highway intersections. To date, two (2) of the nine (9) proposed signalised highway intersections have been upgraded in accordance with the PSPs, and one (1) is currently in the detailed design phase. The remaining six (6) have progressed to a 2-dimensional functional design that have been approved by VicRoads (VR)/Department of Transport (DoT).

Tenders have been sought for Engineering Design Consultants to progress the previously approved functional layout designs of six (6) remaining intersections identified. The Contract enables the procurement of 3-dimensional detailed designs for each intersection, with final approval from VR/DoT being required. Along with associated construction tender documentation, provided as part of the Contract, Council will be able to call for tenders to construct the intersections at the conclusion of the Contract.

This Contract focuses on the engagement of a specialist/s VicRoads pre-qualified design consultant/s to complete all aspects of the detailed design, including:

- feature survey,
- geotechnical investigations,
- service proving and relocation recommendations,
- drainage design,
- pavement design,
- Signal and lighting designs
- gaining VR/DOT approval.

And allows for the development and delivery of the following deliverables:

- Detailed design report
- Road safety audit
- Environment and planning report
- Technical Specifications (to be to Council and VicRoads Standards)
- Itemised Bill of Quantities
- Construction Tender documentation
- Construction estimate with updated to current day costs

The Contract requires approved construction plans and related documents within 6 months of Contract award.

Tenders for a lump sum contract were advertised in The Age. Tenderers were required to provide individual lump sum prices for the design of each intersection as well as a lump sum price for the six (6) intersections as a package, with the understanding they may be awarded some or all of the intersections at Councils discretion. Responses were received from six (6) tenderers of which two (2) are recommended for acceptance.

Tenders were evaluated against the stipulated criteria of Pricing and Value for Money, Compliance with Conditions of Contract, Compliance with Specifications, Capability and Capacity, Relevant

Experience and Past Performance, Quality Systems, Customer Service, OHS, Financial Viability, Condition of Contract, Location and Insurance.

POLICY IMPLICATIONS

Nil.

RELEVANCE TO COUNCIL PLAN

This project is consistent with Council plan action item 3.2 Transport linkages connecting towns.

The appointment of consultants under this contract will enable Council to develop plans and documents that will allow Council to call for tenders for the construction of the Princes Highway intersection upgrades. These projects will provide a great benefit to the community by reducing traffic congestion, accident likelihood & accident frequency, as well as increase the liveability of the Officer Township and surrounds.

CONSULTATION/COMMUNICATION

Extensive consultation has occurred with VR/DOT in relation to developing the functional layout plans and the requirements for the final detailed designs.

A Community consultation plan will be required for the construction phase to notify affected residents and commuters of the forthcoming disruptions, however will be undertaken at the construction phase.

FINANCIAL AND RESOURCE IMPLICATIONS

The 6 intersections are jointly funded by Developer Contributions Funds and Federal Government funding.

Based on the tenders submitted by BG&E - \$247,800.00 and Cardno - \$372.890.01 for a total amount of \$620,690.01, there are sufficient fund available to award these works.

CONCLUSION

It is recommended that two (2) tenderers, BG&E for the McMullen Road, Arena Blvd, & Thewlis Road intersection designs, and Cardno for the Brunt Road/Whiteside Road, Bayview Road, & Station St/Tivendale Road intersection designs, be selected to complete the requirements of CT19/43 - Engineering Design Services for Princes Highway Intersection Upgrades for a cost of \$247,800.00 and \$378,470.01 respectively.