



ADMINISTRATIVE REPORT

Report Date: November 4, 2013
Contact: Nick Kassam
Contact No.: 604.829-2097
RTS No.: 10246
VanRIMS No.: 08-2000-20
Meeting Date: November 20, 2013

TO: Standing Committee on City Finance and Services

FROM: General Manager of Engineering Services and Director of Supply Chain Management

SUBJECT: Award of Contract for ITT PS2010604 - Burrard Bridge Bearing and Expansion Joint Replacement

RECOMMENDATION

- A. THAT Council authorize City staff to enter into a contract, to the satisfaction of the City's General Manager, Engineering Services, Chief Purchasing Official, General Manager, Financial Services Group and Director of Legal Services, with Graham Infrastructure LP for the replacement of bearings and expansion joints and for concrete repairs on Burrard Bridge at a contract value of \$5,124,366.00 plus GST with funding to be provided from the approved capital budget for Burrard Bridge Bearing Replacement.
- B. THAT the Director of Legal Services be authorized to execute on behalf of the City the contract contemplated by Recommendation A.
- C. THAT no legal rights or obligations will be created by Council's adoption of Recommendations A and B above unless and until such legal documents are executed and delivered by the Director of Legal Services.

COUNCIL AUTHORITY/PREVIOUS DECISIONS

The City's Procurement Policy requires that contracts with values over \$2 million must be approved by Council following review and recommendation by the Bid Committee. The Bid Committee has considered and approved Graham Infrastructure LP as the successful proponent.

REPORT SUMMARY

This project, for the replacement of bearings and expansion joints on, and for concrete repairs to, Burrard Bridge was approved in the 2012 and 2013 Capital Budgets (Capital Budget Council Report RTS. No.9454). Design work was completed in early 2013 and construction is proposed for 2013/14.

The work associated with this project includes:

1. Removal and replacement of 27 bearings at 9 pier locations under the bridge deck;
2. Localized concrete repairs to the underside of the bridge prioritized based on condition and areas that are accessed by the public; and
3. Removal and replacement of 19 expansion joints on the bridge deck and bridge deck inspection.

The rehabilitation and bearing replacement work proposed for the Burrard Bridge as part of the 2012 to 2014 Capital plan is being delivered in three stages to reduce environmental risk to the contractor and the City, to be respectful of scheduling and timing issues, and to obtain best value for money. The stages of work include PCB abatement (completed in Summer 2013), Fibre Reinforced Polymer strengthening (in progress and complete by December 2013) and finally, bearing and joint replacement and concrete repairs as recommended for award in this report. The bearing and expansion joint replacements and concrete repairs are expected to start in December 2013 with significant construction activity starting in early 2014.

During the expansion joint replacement, vehicular traffic on the bridge deck will be reduced to two lanes northbound and one lane southbound. A pedestrian path and two bike lanes will be maintained at all times. The vehicle lane closures will cause delays to motorists using the Burrard Bridge. These delays are being mitigated by minimizing the project duration (4 months), providing detour routes to Granville Bridge (where work currently underway will be completed, returning the bridge to its normal capacity), and prioritizing areas of work that will restore vehicle capacity to the bridge. The work has been scheduled so it coincides with the completion of the Burrard Cornwall intersection and the Point Grey Road project. Work will be closely coordinated with Translink / CMBC and other stakeholders.

The concrete repair work will address the highest priority areas for concrete rehabilitation based on condition and proximity to areas of public access as recommended from the bridge inspection program. The locations are typically overhead and are located within the soffits of the bridge deck and sidewalks. Additional concrete repairs, representing medium priority locations have been listed as provisional work and will be completed should budget be made available.

Completion of this project will address the major structural priority items for the bridge, and future work on this bridge through the City's bridge maintenance program will include additional rehabilitation work scheduled for subsequent Capital plans. The most notable future works include the replacement of the deteriorated concrete handrails, the

rehabilitation of the concrete deck, concrete repairs to the marine spans, and the removal and replacement of the wood fenders.

Strategic Analysis

The invitation to tender (ITT) for this work has been called in accordance with the City's Procurement Policy. All tenderers were prequalified prior to the issuance of the invitation to tender. The following are the tenderers and their net bid amounts for the bearing and expansion joint replacements and concrete repairs:

Company	City	Bid Amount
Graham Infrastructure LP	Delta, B.C.	\$5,124,366.00
Kingston Construction Ltd.	Surrey, BC	\$5,172,346.74
B and B Heavy Civil Construction Ltd.	Surrey, BC	\$6,953,825.22
Kenaidan Contracting Ltd.	Richmond, B.C.	\$8,172,074.00
JJM Construction Ltd.	Delta, BC	\$9,692,300.00

Graham Infrastructure LP is qualified to perform the work required for this project as set out in the tender package.

Financial

Engineering and Corporate Budgets have reviewed the financing for the work and concur that funding is available from the approved Capital Budget for Burrard Bridge Bearing Replacement.

CONCLUSION

In summary, Graham Infrastructure LP offered the lowest price and is deemed qualified and compliant to perform the work by Supply Management and Engineering Services, with the assistance of Legal Services, and is recommended for the contract award by the General Manager, Engineering Services and Chief Purchasing Official.

* * * * *