



Engineering & Public Works  
Staff Report to Council

**DATE:** October 5, 2015  
**TO:** Mayor and Council  
**FROM:** Jay Jackman, Manager of Assets, Infrastructure & Projects  
**SUBJECT:** Gill Bridge Approach and Repairs Project Update

This report details the requirement for a budget increase in order to complete removal and reconstruction of the approach slabs at the two ends of the Gill Avenue Bridge to correct the differential settlement.

**RECOMMENDATIONS:** Council consider and resolve:

1. That an additional \$67,000 be approved to provide a 15% contingency allowance for the Gill Bridge Approach and Repairs Project;
2. That the funds required come from the Major Capital Reserve Fund;
3. That the Gill Avenue Bridge Rehabilitation Construction Contract, ITT 2015 – 006, be awarded to the low bidder, HRC Construction (2012) Incorporated in the amount of \$352,540, including GST, subject to the contractor fulfilling the mandatory requirements as specified in the tender documents; and
4. That the District's Financial Plan be amended accordingly.

**PURPOSE:**

This report recommends that Council approve a budget increase of \$67,000 to complete removal and reconstruction of the approach slabs at the two ends of the Gill Avenue Bridge to correct the differential settlement, as described in the Invitation to Tender (ITT) document 2015-006. This report also recommends awarding the construction contract to the low bidder, HRC Construction (2012) Incorporated with the intent of breaking ground in late October and completing the works before year end.

**BACKGROUND:**

The Gill Avenue Bridge over Silverdale Creek, east of Nelson Street, has an abrupt change in its vertical alignment due to differential settlement between the bridge abutments and the approach roadway. In addition to the poor serviceability, there are several other structural shortfalls, such as: voids underneath the approach slab and abutment undersides, failure of joint seals, and erosion of supporting backfill materials. Repairs were approved in the 2015 capital budget. AECOM was awarded a contract under RFP 2015-005 to design a solution, prepare a tender ready design package and administer the resulting Master Municipal Construction Documents (MMCD) Construction Contract. The design package was completed in August and the ITT was posted in September and closed on September 29, 2015.

**DISCUSSION AND ANALYSIS:**

It is staff's desire to complete these works before the end of this year. The original dollar amount approved in the 2015 capital budget was \$450,000. The cost for design, contract administration and build using the low bids has totaled an estimated amount of \$428,000. With a 5% administration fee, the total amounts to \$449,400. This leaves no money in the budget for contingency. As this project is somewhat complex and will be administered as an MMCD unit price contract a healthy contingency must be included in the budget. To that end, staff are requesting a budget increase of \$67,000 bringing the project budget total up to \$517,000.

**Table 1: Budget**

| Task  | Cost             |
|---|------------------|
| Engineering, construction management and contract administration MMCD | \$85,459         |
| Construction Costs (low bid)  | \$335,753        |
| BC Hydro materials cost (estimate)                                    | \$7000           |
| Subtotal  | 428,212          |
| 15% Contingency   | 64,169           |
| Subtotal  | 492,381          |
| 5% administration fee   | \$24,619         |
| <b>Total Project Budget ≈</b>   | <b>\$517,000</b> |

**Table 2: Summary of the Received Bids**

| Name of Bidder                    | Total Bid Price<br>(excluding GST)* |
|-----------------------------------|-------------------------------------|
| HRC Construction (2012) Inc.      | \$335,753.00                        |
| Coquitlam Ridge Constructors Ltd. | \$358,747.80                        |
| Tybo Contracting Ltd.             | \$429,062.43                        |
| Deramore Construction Services    | \$462,427.40                        |
| Seismic 2000 Construction Ltd.    | \$599,052.00                        |
| B. Cusano Contracting Inc.        | \$626,374.00                        |

\*This will be an MMCD unit price contract. Payments will be based on actual quantities as verified by the Contract Administrator.

**FINANCIAL IMPLICATIONS:**

The requested increase to the budget of \$67,000 for this project can be funded from the Major Capital Reserve Fund, which presently has an uncommitted balance of approximately \$700,000.

**COMMUNICATION:**

Upon approval, staff will issue an Intent to Award letter to the low bidder.

**SUMMARY AND CONCLUSION:**

Staff recommend that Council approve an additional \$67,000 to provide a 15% contingency allowance for this project. Staff also recommend that a construction contract be awarded to the low bidder, as per the submission received on September 29, 2015, in response to the District of Mission ITT 2015-006.

**SIGN-OFFS:**



Jay Jackman, Manager of Assets, Infrastructure & Projects



Reviewed by:  
Kris Boland, Manager of Finance



Reviewed by:  
Tracy Kyle, Director of Engineering & Public Works

Comment from Chief Administrative Officer:  
Reviewed