

COMMITTEE OF THE WHOLE- DECEMBER 1, 2009

AWARD OF TENDER T09-468 BALDWIN AVENUE CULVERT REPLACEMENT WARD 4

Recommendation

The Commissioner of Engineering and Public Works in consultation with the Director of Purchasing Services and the Director of Reserves and Investments recommends:

1. That Tender T09-468, Baldwin Avenue Culvert Replacement be awarded to Esposito Bros. Construction Ltd. in the amount of \$442,842.83, plus G.S.T., subject to TRCA and COMRIF approval;
2. That a contingency allowance in the amount of \$67,000.00, plus G.S.T. be approved within which the Commissioner of Engineering and Public Works or his designate is authorized to approve amendments to the Contract;
3. That the City retain R.V. Anderson Associates Limited to provide contract administration and construction inspection services, including Geotechnical and Material Testing and Disbursements at an estimated cost of \$38,686.00, plus G.S.T.;
4. That a Contingency Allowance in the amount of \$4,000.00, plus G.S.T. be approved for contract administration and construction inspection services within which the Commissioner of Engineering and Public Works or his designate is authorized to approve additional Engineering services;
5. That the necessary By-law be passed authorizing the temporary closure of Baldwin Avenue approximately 50 metres south of Highway 7 to facilitate the timely construction of the culvert replacement for a six week period which is tentatively scheduled to occur between January 4, 2010 and April 5, 2010;
6. That the budget for Capital Project EN-1650-07 be increased by \$150,000.00 and funded by Debenture Financing;
7. The inclusion of the matter on a Public Committee or Council agenda for additional funding request for the Baldwin Avenue Culvert Replacement is deemed sufficient notice pursuant to Section 2(l) (c) of By-law 394-2002; and
8. That the Mayor and City Clerk be authorized to sign the appropriate documents.

Contribution to Sustainability

The replacement of the Baldwin Avenue Culvert will ensure that an acceptable level of service by the City's Infrastructure is maintained for the health and well being of its citizens.

Economic Impact

The total estimated cost is \$570,000.00, which includes a contingency allowance and contract administration, inspection services, including Geotechnical and Material Testing. The original budget amount for this project included \$450,000.00 from Capital Budget Project EN-1650-07 and \$62,000.00 from Capital Budget Project EN-1777-09 for a total of \$512,000.00. From this amount, \$76,028.50 has been committed to R.V. Anderson Associates Limited for design services.

The net funds available to construct the works minus the 3% administration fee is approximately \$420,000.00. In order to carry out the project, additional funds in the order of \$150,000.00 are requested for Project No. EN-1650-07 to be funded by Debenture Financing.

COMRIF has committed approximately \$290,000.00 towards this project (two thirds of eligible costs up to \$433,000.00), therefore, the net cost to the City for this contract is approximately \$372,000.00.

Long range financial implications will include operating and maintenance costs associated with this type of infrastructure which are not quantified at this time.

Communications Plan

Once the project is awarded, Engineering Services staff will advise the Ward Sub-Committee and will send out a 'Notice of Construction' letter to the affected residents.

A comprehensive communication plan will be implemented to inform all stakeholders of the proposed temporary Baldwin Avenue road closure and the temporary removal of the traffic diverter at Rockview Gardens Avenue. This communication plan will include written notification of the road closure to the area property owners and stakeholders, including emergency public service agencies (Police, Fire and Ambulance) and school bus companies, as well as Canada Post.

The temporary removal of the traffic diverter at Rockview Gardens Avenue will ensure safer access to and from the area to Keele Street and Highway 7 for the duration of the project. The traffic diverter will be reinstated when the project is completed.

Access Vaughan will be provided with information regarding the closure and associated contact information in order to effectively respond to enquiries from the general public. The contractor will be responsible for the installation and maintenance of all barricades and construction signage in order to provide pedestrian safety and local access around the construction area. The appropriately worded road side signage will be installed a minimum of two weeks prior to the road closure as a means of informing motorists of the temporary road closure in accordance with the Ontario Traffic Manual Book 7.

Purpose

Council approval to award Tender T09-468, Baldwin Avenue Culvert Replacement and also to seek Council approval of the temporary closure of Baldwin Avenue approximately 50 metres south of Highway 7 to facilitate the timely construction of the culvert replacement.

Background - Analysis and Options

On November 15, 2004, the \$900 Million Canada-Ontario Municipal Rural Infrastructure Fund (COMRIF) program was launched to improve and renew public infrastructure across the province of Ontario.

Council at its meeting on September 11, 2006, approved the Bridge Rehabilitation application in the amount of \$2,089,000.00 under Intake Three of the Canada Ontario Municipal Rural Infrastructure (COMRIF) funding program. The application was for three locations: Humber Bridge Trail Bridge, Baldwin Avenue Culvert and the Peelar Road Culvert. On January 10th, 2007 COMRIF announced that they would contribute 2/3 funding for rehabilitation of the Baldwin Avenue Culvert for eligible costs up to \$433,000.00

This funding is contingent on compliance with certain requirements as stated in the funding agreement. The federal portion of the funding is contingent on a Federal Environmental Assessment (EA) in addition to any provincial or municipal class EAs which may be required.

The City's consultant on this project, R.V. Anderson Associates Limited, was hired through a competitive bid process to carry out the design of the project, as well as to complete any and all requirements of COMRIF. The majority of the requirements have been met and TRCA approval is expected to be issued following their December 11 executive meeting. Final COMRIF approval is expected to be issued following TRCA approval.

The work covered by this tender includes the replacement of the Baldwin Avenue Culvert, including the replacement of a section of sanitary sewer and watermain (Capital Budget Projects EN-1650-07 and EN-1777-09). (See Attachment No. 1 for project location).

This tender was advertised in the Daily Commercial News, on the Ontario Public Buyers Association (OPBA) on Bidding and on the City webpage, and closed on November 4, 2009. A total of twenty-eight (28) sets of bid documents were picked up from Purchasing Services Department, and the following fifteen (15) bids were received:

<u>Contractor</u>	<u>Total Bid Amount (excl. G.S.T.)</u>
Esposito Bros. Construction Ltd.	* \$442,842.83
Dagmar Construction Inc.	\$499,941.28
Grascan Construction Ltd.	\$533,000.00
Clearway Construction Inc.	\$539,966.27
NEI Construction Corp.	\$545,085.00
Kapp Contracting Inc.	\$547,619.05
Lakeside Contracting Company Limited	\$594,680.00
Moretti Excavating Limited	\$609,931.25
G.C. Romano Sons (Toronto) Limited	\$615,430.00
Dig-Con International Limited	\$658,458.80
Metric Contracting Services Corp.	\$675,527.00
CDC Contracting	\$695,238.10
Graham Bros. Construction Limited	\$746,088.71
Drainstar Contracting Ltd.	\$920,330.00
FCM Construction Limited	\$957,142.86

* Corrected for arithmetic error

The estimated cost for this project including provisional items, a contingency allowance, contract administration and inspection and all applicable taxes is \$570,000.00 and is calculated as follows:

Esposito Bros. Construction Ltd. Bid Price (excl. G.S.T.)	\$442,842.83
Contingency Allowance ($\pm 15\%$)	\$ 67,000.00
Contract Administration and Inspection, including Geotechnical Inspections and Material Testing (estimated 6 weeks)	\$ 38,686.00
Contingency Allowance (Contract Administration and Inspection) ($\pm 10\%$)	<u>\$ 4,000.00</u>
Sub-Total	\$552,528.83
G.S.T. (5% amount is 100% recoverable)	\$ 27,626.44
Treasury Administration (3%)	<u>\$ 16,575.86</u>
Total	\$596,731.13
Less G.S.T. Recoverable	<u>\$ (27,626.44)</u>
Net Total Cost	\$569,104.69

ROUNDED \$570,000.00

Current funding available for this project includes approximately \$360,000.00 from Capital Budget Project EN-1650-07 and approximately \$60,000.00 from Capital Budget Project EN-1777-09 for a total of \$420,000.00. The total estimated project cost is \$570,000.00, therefore, the budget for Capital Project EN-1650-07 should be increased by \$150,000.00 and funded by Debenture Financing. COMRIF has committed approximately \$290,000.00 towards this project which is two thirds funding for eligible costs up to a maximum total project cost of \$433,000.00.

The additional cost to this project over and above the original engineer's estimate of \$386,500.00 can be attributed to poor soil conditions which required the use of helical pile foundations under the footings, as well as the replacement of sections of sanitary sewer and watermain at the structure, which was not anticipated at the time that the engineer's estimate was prepared. In view of the above, the contingency allowance has been increased from 10% to 15% to account for potential sub-surface conditions that may arise during the course of construction.

Engineering Services staff and the City's consultant, R.V. Anderson Associates Limited have reviewed the submitted bids and are satisfied that Esposito Bros. Construction Ltd. is deemed qualified to undertake this project. Therefore, it is appropriate to award this contract to the low bidder, Esposito Bros. Construction Ltd.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in:

- Pursue Excellence in Service Delivery;
- Enhance and Ensure Community Safety, Health & Wellness; and
- Lead and Promote Environmental Sustainability

This report is consistent with the priorities previously set by Council.

Regional Implications

Not Applicable.

Conclusion

To facilitate the safe and timely replacement of the Baldwin Avenue Culvert, it is recommended that a By-law be passed to implement the temporary road closure of Baldwin Avenue approximately 50 metres south of Highway 7 for a six week period scheduled to occur between January 4, 2010 and April 5, 2010.

Staff recommends that the Baldwin Avenue Culvert Replacement project be awarded to Esposito Bros. Construction Ltd. In the amount of \$442,842.83, plus G.S.T.

Should Council concur with the additional funding request, this action would be considered as an amendment to the Capital Budget. Pursuant to the Municipal Act, before amending a budget, a municipality shall give notice of its intention to amend the budget at a Council meeting. Where a capital project has been subject to a public meeting during the adoption of the approved capital budget and where additional funding is required to complete the approved works, inclusion of the matter in a staff report requesting additional funding on a Public Committee or Council Agenda is deemed sufficient notice pursuant to Section 2(1)(c) of By-law 394-2002.

Attachments

1. Location Map

Report prepared by:

John Zanchettin, C.E.T., Senior Engineering Assistant, ext. 3113
Tom Ungar, P. Eng., CHRP, Design Engineer, ext. 3110

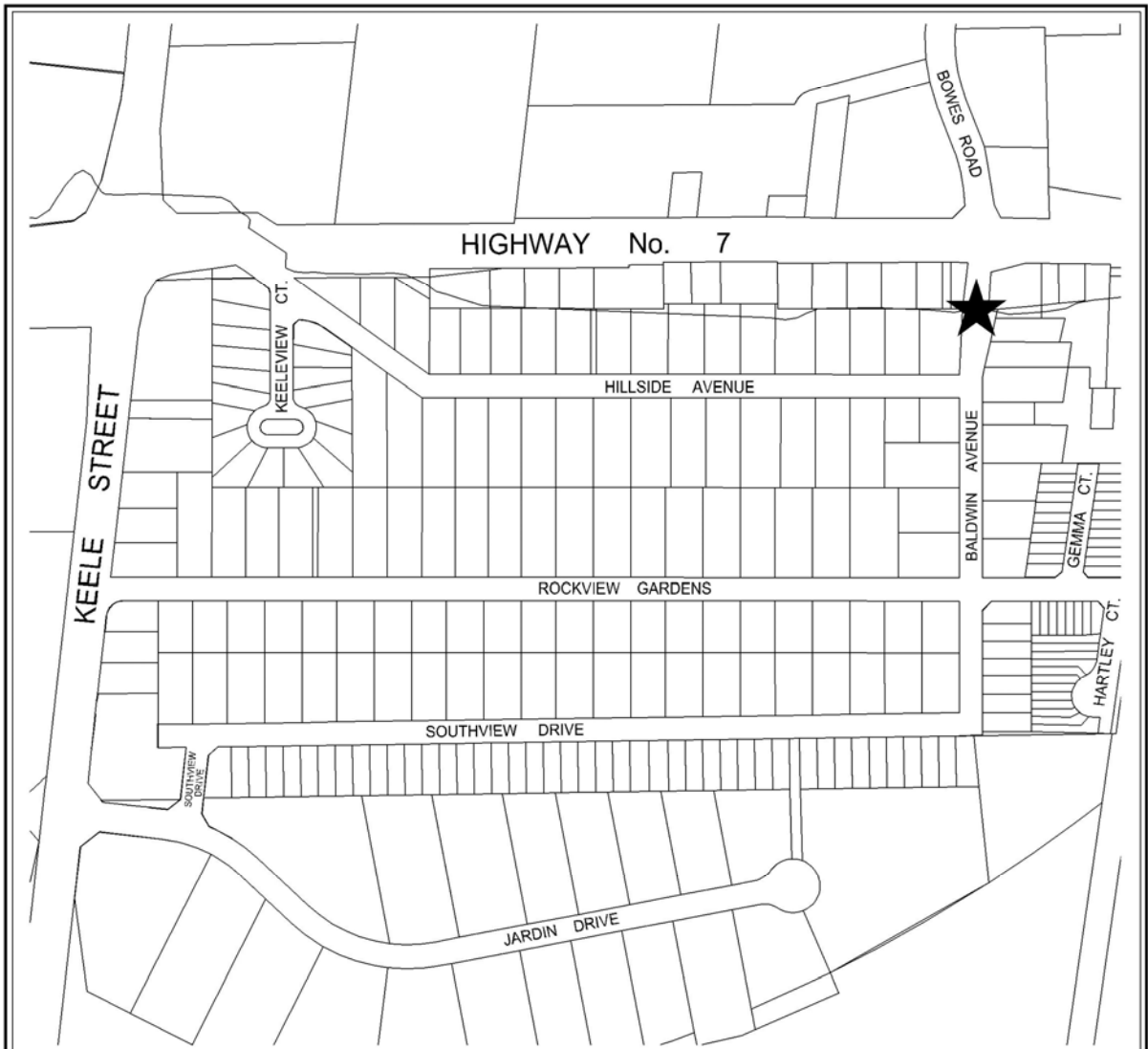
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng., M. Eng.
Director of Engineering Services

JZ:ep

ATTACHMENT No. 1



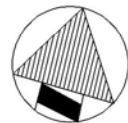
T09-468

BALDWIN AVENUE CULVERT REPLACEMENT

LOCATION : Part of Lot 5,
Concession 3

LEGEND

 PROJECT LOCATION



NOT TO SCALE