

Memo



Date: September 14, 2011
File: 1550-04
To: City Manager
From: Purvez Irani , Manager, Roads, Drainage & Solid Waste Projects
Subject: Hereron Bridge Replacement Tender Award
Report Prepared by: Purvez Irani, P.Eng

Recommendation:

THAT Council approves an amendment to the 2011 Financial Plan to reflect the additional expenditure of \$220,000 (Including Contingency) available from current capital projects (Moyer Road Drainage, Rails with Trails Phase 2, 2011 Road Resurfacing Program) and from the Major Bridge Maintenance Reserve;

Purpose:

To request an amendment to the 2011 Financial Plan with respect to the contract for the replacement of the Hereron Road Bridge in order to award the construction contract to Hayter Construction Ltd.

Background:

During the routine Bridge Maintenance of City Bridges in 2010, significant wood rot was noticed in some of the structural elements of Hereron Bridge. A close proximity inspection was conducted by our engineering consultants to confirm the findings. There was enough evidence of distress in the structural elements to proceed with replacing the Hereron Road Bridge.

The budget request to replace Hereron Bridge in 2011 was based on projects of similar nature, however with no actual survey or design. During the design in 2011, property constraints and 100 year flood level requirements forced the bridge elevation to be raised. This resulted in reconfiguring the bridge approaches and the addition of extensive retaining walls.

Property constraints and a minimum 100 year flood level elevations could not be foreseen in 2010 without any engineering survey or design. The higher than anticipated low bid could be associated to the extensive retaining walls, reconstruction of the bridge approaches and higher bridge elevation to satisfy the 100 year flood level requirements.

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The expected cost of construction was \$335,000 including contingency. Ten construction tenders were received. The lowest bid (\$480,896.08, including HST) was higher than the expected cost of construction. Therefore additional funds are required to award this construction contract.

Additional funds are available due to surplus in the Moyer Road Drainage Project and 2011 Road resurfacing Program. Rails with Trails Phase 2 project is also contributing a significant portion as Hereron Bridge is located within that link. The Major Bridge Maintenance Reserve will contribute (\$46,000) to the total funds required.

Financial/Budgetary Considerations:

Internal Circulation:

Legal/Statutory Authority:

Legal/Statutory Procedural Requirements:

Existing Policy:

Personnel Implications:

External Agency/Public Comments:

Communications Comments:

Alternate Recommendation:

Considerations not applicable to this report:

Submitted by:



P. Irani, Manager, Roads, Drainage & Solid Waste Projects

Approved for inclusion:



cc: John Vos, General Manager, Community Services
Bill Berry, Director, Design and Construction Services
Keith Grayston, Director, Financial Services