

May 26, 2010



City Council Committee Report

To: Mayor & Council

**Fr: Richard Perchuk, Manager of Operations
Marco Vogrig, Municipal Engineer**

**Re: Keewatin Channel Bridge & Winnipeg River West Branch Bridge -
Award of Design Consulting Services**

Recommendation:

That Council hereby authorizes the transfer of \$66,200.00 plus net impact of applicable taxes for the Winnipeg River West Branch Bridge from the Roads Reserve; and,

That in accordance with Notice By-law Number 144-2007, public notice is hereby given that Council intends to amend its 2010 Capital Budget at a Special Meeting of Council on May 28, 2010; and,

That Council hereby gives three readings to a by-law to amend the budget for this purpose; and,

That the following proposal submitted for RFP for Consulting Engineering Services for repair works to the Keewatin Channel and the Winnipeg River West Branch Bridges, as specified (plus applicable taxes), be received;

| | AECOM | STANTEC | KGS |
|--|---------------|----------------|---------------|
| Keewatin Channel Bridge | | | |
| Pre-Design | 138037 | 18100 | 35500 |
| Detailed Design | 106880 | 25700 | 11000 |
| Construction | <u>217869</u> | <u>50400</u> | <u>44400</u> |
| Total Excl tax | 462786 | 94200 | 90900 |
| Winnipeg River West Br Bridge Rehabilitation Option | | | |
| Pre-Design | 101107 | 23200 | 91000 |
| Detailed Design | 79511 | 43000 | 72000 |
| Construction | <u>144890</u> | <u>93200</u> | <u>147000</u> |
| Total Excl tax | 325508 | 159400 | 310000 |

Reconstruction Option

| | | | |
|-----------------|---------------|---------------|----------------------|
| Pre-Design | 101107 | 14000 | 100000 |
| Detailed Design | 396000 | 350000 | 224000 |
| Construction | <u>825695</u> | <u>420000</u> | <u>375000</u> |
| Total Excl tax | 1322802 | 784000 | 699000 ;and further, |

That the proposal submitted by Stantec, Winnipeg, Manitoba, for Pre-Design and Detail Design for the Keewatin Channel Bridge in the amount of \$43,800 (plus applicable taxes) and for the Winnipeg River West Branch Bridge – Rehabilitation Option in the amount of \$66,200 (plus applicable taxes) be accepted.

Background:

In 2007/2008 an inspection of the bridge structures was conducted to satisfy the provincial regulation for bridges to be visually inspected once every two years. As part of that inspection it was identified that concrete spalling on the concrete arch spans of the Keewatin Channel Bridge and structural steel corrosion and localized concrete delamination on the Winnipeg River West Branch Bridge is required to be prioritized as the most important bridge repairs for the city to undertake at this time.

Request for Proposals for Engineering Consulting Services to address these deficiencies was issued on April 8, 2010, to five Engineering firms. The proposals closed on April 26, 2010, with three (3) submissions received of which each firm provided a rehabilitation and a reconstruction option for the Winnipeg River West Branch bridge, plus applicable taxes, as follows:

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|--------------------------------|---------------|----------------|--------------|
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**Winnipeg River West Br Bridge
Rehabilitation Option**

| | | | |
|-----------------|---------------|--------------|---------------|
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| Detailed Design | 79511 | 43000 | 72000 |
| Construction | <u>144890</u> | <u>93200</u> | <u>147000</u> |
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It is undetermined as to the extent of repairs on the Winnipeg River West Branch Bridge and thus the reasoning for rehabilitation and reconstruction pricing options requested in the RFP and provided by the firm's submissions. Also, these two differing scopes of work provides a lower end cost rehabilitation solution versus a higher end reconstruction/replacement scenario to provide a range of the magnitude of work to be considered for this bridge. To truly determine the scope of work required on the Winnipeg River West Branch Bridge, the Pre-Design works required of the successful Consultant is key to determining the appropriate level of work to address the deficiencies of the Winnipeg River West Branch Bridge. Following the Pre-Design stage a review will be conducted on it's findings to confirm the rehabilitation option for the Winnipeg River West Branch is the viable option. Should rehabilitation not be a viable option and reconstruction is required, a revised recommendation and cost scenario will be submitted to council for approval. Therefore, in order to move forward with these bridge projects, it is recommended to award the Engineering Pre-Design and Detailed Design works to Stantec for both bridges based on a Rehabilitation Option for the Winnipeg River West Branch Bridge. Construction/Contract Administration fees for Stantec would be re-evaluated for the 2011 budget season dependent upon the outcome and recommendations of the Pre-Design and Detailed Design stages of the Consultants scope of work.

In regards to funding for the project the design work related to the Keewatin Channel Bridge totaling \$43,800 plus applicable taxes is included in the City's 2010 municipal budget. The Rehabilitation Design work related to the Winnipeg River West Branch Bridge totaling \$66,200 plus applicable taxes is currently on the City's long term debt list for consideration. The original amount allocated to this work was \$330,000 and reflected design related to the reconstruction of the bridge as opposed to the rehabilitation option. With the reduced cost as a result of pursuing a rehabilitation of the structure (as opposed to a reconstruction) it is recommended that Council approve an allocation from the City's Road Reserve to fund \$66,200 plus applicable taxes to fund this project. Currently, the Roads Reserve balance is approximately \$121,500.

Budget: 2010 Roads Reserve Fund

Communication Plan/Notice By-law Requirements:

Resolution required.

Distribution: R. Perchuk, M. Vogrig