Agenda - Executive Policy Committee - December 8, 2004

CAPITAL BUDGET REVIEW

Item No. 7 **Riverbank Stability Characterization Study for City-owned Riverbanks - 2004 Monitoring Report**
File E-5

STANDING COMMITTEE RECOMMENDATION:

On November 30, 2004, the Standing Policy Committee on Property and Development referred the recommendation from the Riverbank Management Committee for an additional appropriation in the amount of $12,915,000.00 to fund the stabilization of the "first phase" priority riverbank stabilization sites identified in Appendix B to the report of the Riverbank Management Engineer dated October 7, 2004, to the Executive Policy Committee for consideration during deliberation on the Five-Year Forecast.

DECISION MAKING HISTORY:

STANDING POLICY COMMITTEE RECOMMENDATION:

On November 30, 2004, the Standing Policy Committee on Property and Development recommended that the recommendation from the Riverbank Management Committee be referred to the Executive Policy Committee for consideration during deliberation on the Five-Year Forecast.

STANDING COMMITTEE RECOMMENDATION:

On November 2, 2004, the Standing Policy Committee on Property and Development laid over consideration of the matter to the meeting of the Committee scheduled for November 30, 2004.

RIVERBANK MANAGEMENT COMMITTEE RECOMMENDATION:

On October 14, 2004, the Riverbank Management Committee recommended to the Standing Policy Committee on Property and Development that the Standing Committee on Fiscal Issues be requested to consider an additional appropriation in the amount of $12,915,000.00 to fund the stabilization of the "first phase" priority riverbank stabilization sites as identified in Appendix B to the report of the Riverbank Management Engineer, Planning, Property and Development Department, dated October 7, 2004.

RIVERBANK MANAGEMENT COMMITTEE DECISION:

On October 14, 2004, the Riverbank Management Committee concurred in the administrative recommendation, namely:

1. That the priority ratings for the first phase priority riverbank stabilization sites identified in the 2000 report "Riverbank Stability Characterization Study for City-owned Riverbanks" be updated as per Table 2: "First Phase" Priority Riverbank Stabilization Sites (2004) of Appendix B.

RE: RIVERBANK STABILITY CHARACTERIZATION STUDY FOR CITY OWNED RIVERBANKS – 2004 MONITORING REPORT

RECOMMENDATION:

That the priority ratings for the first phase priority riverbank stabilization sites identified in the 2000 report "Riverbank Stability Characterization Study for City-owned Riverbanks" be updated as per Table 2: "First Phase" Priority Riverbank Stabilization Sites (2004) of Appendix B.

REASON:

The Waterways Section of the Planning, Property and Development Department, in its ongoing monitoring of riverbank stability conditions along the City's first phase priority sites, has identified changes in 2004 that impact on existing prioritization.

HISTORY:

Concurrent with the establishment of a riverbank stabilization program for the City of Winnipeg, Council allocated funds in 1998 for the implementation of a detailed riverbank stability characterization study of City owned riverbank property. The Waterway Section, Planning, Property and Development Department completed this comprehensive study and report in May 2000.

On May 18, 2000 the Riverbank Management Committee, in receiving as information the report on "Riverbank Stability Characterization Study for City-owned Riverbanks" dated May 2000, also resolved that any adjustments to the priority stabilization ratings identified in this report (see Appendix A) be reported back to the Committee for its review.

DISCUSSION:

Since 2000, the Riverbank Management Committee has been instrumental in a number of progressive initiatives towards implementation of the City's riverbank stabilization and monitoring program:

In 2001, low-level aerial photography was secured along the City's riverbanks for a cost of $30,000 with funding being allocated from the Riverbank Management Account.

In the winter of 2002-2003, riverbank stabilization works were completed at the highest priority site, May to Annabella Streets, at a cost of $1 million. This project was jointly funded between the City and uplands private property owners.

In 2002 and 2004, engineering students conducted riverbank monitoring of the City's priority sites under the supervision of the Riverbank Management Engineer. The Riverbank Management Committee provided funding for these programs.

The 2004 monitoring program included an 8-month comprehensive engineering review, assessment and update of stability conditions along the City's riverbanks relative to the 2000 Waterway Report and subsequent site monitoring completed in 2002.

The findings from this monitoring program have been compiled in a Waterway report "Riverbank Stability Characterization Study For City-owned Riverbanks – 2004 Monitoring Report." Significant changes to stability conditions at some of the priority sites identified in 2000 warranted revisions to the site rankings pursuant to established geotechnical characterization criteria. In addition, the updated 2004 "First Phase" priority sites (see Appendix B) also includes:

Additional appropriation of $1 million to the St. Vital Site to include the upstream section of failed bank following the City's unsuccessful application to have this portion of bank included under the 1997 flood Disaster Financial Assistance Program.

Inclusion of an additional site on the priority list, namely, Red River – End of Minnetonka, in view of completion of stabilization works at the highest priority site May to Annabella Streets in the winter 2002-2003.

THIS REPORT SUBMITTED BY:

Planning, Property and Development Department
Planning and Land Use Division
Waterway Section
Prepared by Don Kingerski, P. Eng., Riverbank Management Engineer

October 7, 2004

File: RMC 2004 monitoring report

APPENDIX A

TABLE 1: "FIRST PHASE" PRIORITY RIVERBANK STABILIZATION SITES (2000)

Site	Preliminary Cost Estimate(s)
Red River – Annabella Street to May Street	$1,200,000
Red River - St. Vital Park	$645,000
Red River – Lyndale Drive Park	$1,455,000
Red River - St. John's Park	$600,000
Red River - King's Park	$450,000
Red River – Churchill Park	$2,000,000
Red River at Bunn's Creek	$165,000
Assiniboine River - Fort Rouge Park	$400,000
Red River – Crescent Park	$765,000
Red River – King's Park (Outside Bend)	$2,720,000
Seine River – Evans Avenue at Cusson Street	$240,000
Assiniboine River – Granite Club/Mostyn Park	$870,000
TOTAL	$11,510,000

October 7, 2004

APPENDIX B

TABLE 2: "FIRST PHASE" PRIORITY RIVERBANK STABILIZATION SITES (2004)

Site	Preliminary Cost Estimate(s)
Red River – St. Vital Park	$1,645,000
Red River – Churchill Park	$2,000,000
Red River – St. John's Park	$600,000
Red River at Bunn's Creek	$165,000
Red River – Lyndale Drive Park	$1,455,000
Red River - King's Park	$450,000
Red River – Crescent Park	$765,000
Assiniboine River - Fort Rouge Park	$400,000
Red River – King's Park (Outside Bend)	$2,720,000
Red River – End of Minnetonka	$440,000
Seine River – Evans Avenue at Cusson Street	$240,000
Assiniboine River – Granite Club/Mostyn Park	$870,000
TOTAL	$12,915,000

October 7, 2004