



City of Richmond

Report to Committee

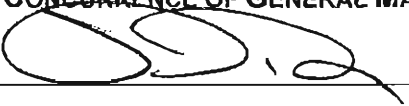

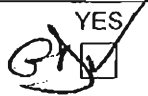
To: General Purposes Committee
From: Greg Scott, P. Eng., LEED A.P.
 Director, Project Development
Re: South Arm Pool Piping Repair

Date: March 9, 2012
File: 06-2050-20-PSA/Vol
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Staff Recommendation

That the estimated expenditures of \$70,000 with respect to the South Arm Pool Piping Repair project be funded from the Minor Capital Provision.

Whitehead per
 Greg Scott, P. Eng., LEED A.P.
 Director, Project Development
 (604-276-4372)

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ROUTED TO:		CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Budgets		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Recreation		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
REVIEWED BY TAG	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	REVIEWED BY CAO
			YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			

Staff Report

Origin

South Arm Pool is a 40 year old outdoor pool that operates from June through August. Last summer, the mechanical systems had difficulty maintaining pool temperature and staff determined the pool was losing approximately 3,500 gallons of water per day. Without interrupting pool operations, limited inspections and repairs were completed. The repairs reduced the water loss to 2,700 gallons per day and based on the inspection, it was thought that the replacement of the expansion joints, repairs to pipes outside of the pool basin and replacing the valves in the water slide pit would stop the water loss. The cost of these repairs was estimated to be \$85,000 and Council approved the work as part of the 2012 Capital Plan.

The pool was emptied in early March 2012 and a thorough investigation was completed. All pipes have been tested for collapse and was determined that the pipes requiring repairs are located under the concrete pool basin. The repair work is far more extensive than previously thought as well as more difficult to access which results in higher repair costs.

Analysis

The most recent investigation identified repairs required to stop the water loss. The revised scope of work includes:

1. Replace all pipes that return water from the filter system to the pool,
2. Replace 100M of expansion joint material,
3. Replace deck drain pipes that have been damaged by shrubs (roots) that surround the pool.
4. Reinstate concrete, fibreglass and gelcoat finish.
5. Remove shrubs and replace with sod.

Schedule:

In order to have the pool ready for public use June 9, 2012, the work must commence no later than April 2, 2012.

Financial Impact

The initial scope of work was estimated at \$85,000. The quote for the revised scope of work is \$155,000, an increase of \$70,000. Given the 2012 Infrastructure Replacement Program funds are fully allocated, staff propose that \$70,000 be funded from the Minor Capital Provision.

Conclusion

The repairs to the South Arm Pool identified in this report need to be underway by April 2, 2012 if the pool is to open as scheduled. Utilizing funds from the Minor Capital Provision is the most timely way of addressing the funding issue.



Janet M. Whitehead
Senior Project Manager
(604-233-3312)

JW:jw