Agenda – Council – April 29, 2009

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 14, 2009

Item No. 2 New Capital Project and Transfer of Funding for Traffic Services Pavement Marking Operations Facility
eFile SC

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 22, 2009, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works and submits the following to Council:

1. That a new capital project be approved for the conversion of an existing building and yard area at 1220 Pacific Avenue for use as a Traffic Services Pavement Marking Operations facility.

2. That authorization be granted for the transfer of funds in the amount of $600,000.00 from the Public Works Department Unspecified Capital Account in order to carry out the work required.

3. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Agenda – Council – April 29, 2009

Report – Standing Policy Committee on Infrastructure Renewal and Public Works – April 14, 2009

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 22, 2009, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works and submitted the matter to Council.

STANDING COMMITTEE RECOMMENDATION:

On April 14, 2009, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation of the Winnipeg Public Service and submitted the matter to the Executive Policy Committee and Council.

RE: NEW CAPITAL PROJECT AND TRANSFER OF FUNDING FOR TRAFFIC SERVICES PAVEMENT MARKING OPERATIONS FACILITY

FOR SUBMISSION TO:	**Standing Policy Committee on Infrastructure Renewal and Public Works**
ORIGINAL REPORT SIGNED BY:	**Director of Public Works**
REPORT DATE:	**March 4, 2009**

RECOMMENDATION:

(1) That a new capital project be approved for the conversion of an existing building and yard area at 1220 Pacific Avenue for use as a Traffic Services Pavement Marking Operations facility.
(2) That authorization be granted for the transfer of funds in the amount of $600,000.00 from the Public Works Department Unspecified Capital Account in order to carry out the work required.

Report Summary

Key Issues:

- The Traffic Services Branch of the Streets Maintenance Division of the Public Works Department was issued an Improvement Order from the Fire Prevention Branch to make improvements to the way flammable paint is being stored at their facility at
  421 Osborne Street.
- The facility at 421 Osborne Street does not meet the National Fire Code for the outdoor storage of flammable paints or for the indoor storage of paints within the lane marker painting truck.
- Available space at the 421 Osborne Street site is diminishing as Transit expands.
- The Traffic Services Branch temporarily relocated their operations to 1220 Pacific in the summer of 2008. However, the facility at 1220 Pacific Avenue is not properly set up for handling paints and needs to be converted to meet all code requirements. In addition it will be necessary to relocate the Pavement Marking group to operate fully out of this location.
- The 1220 Pacific Avenue facility will be upgraded to meet the National Fire Code for both the outdoor and indoor storage of flammable paints.

Implications of the Recommendation(s):

General Implications

X None
For the organization overall and/or for other departments
For the community and/or organizations external to the City
Involves a multi-year contract
Comment(s):

Policy Implications

X No
Yes
Comment(s):

Regulatory Implications

No
X Yes
Comment(s): Significant facility upgrades are required for the indoor and outdoor storage of traffic paints in order to conform to the National Fire Code.

Environmental Implications

X No
Yes
Comment(s):

Human Resources Implications

X No
Yes
Comment(s):

Financial Implications

Within approved current and/or capital budget
X Current and/or capital budget adjustment required
Comment(s): Approval from Council is required to approve this new capital project.

Report

REASON FOR THE REPORT:

Council must approve new capital projects.

HISTORY:

In December of 2007, the Fire Prevention Branch issued an order to the Traffic Services Branch of the Streets Maintenance Division to make improvements to the way flammable paint was being stored at the facility at 421 Osborne Street.

In March 2008, Wardrop Engineering Inc. was approved to conduct a Feasibility Study for Paint and Equipment Storage for the Traffic Services Branch of the Streets Maintenance Division. The study and report were completed in August 2008.

DISCUSSION:

It is mandatory that traffic marking operation facility enhancements be made to improve the way paint is being stored both indoors and outdoors, based on an improvement order from the Fire Prevention Branch. As a result, the Traffic Services Branch moved a large component of their traffic marking operation to 1220 Pacific Avenue in the summer of 2008. To make the move complete and to set up a permanent operation, the existing cold storage building at 1220 Pacific must be modified to house the operations. This will include insulation and heating, plumbing, ventilation, lighting and office space. As well, an exterior yard area must be created for the storage of paint and supplies. The facilities must be designed and constructed to meet the National Building Code and the National Fire Code for the proper storage of paint, equipment and supplies used in the pavement marking operations.

The outdoor storage of flammable paints requires conformance to various code clauses of the National Fire Code which include:

Clause	**Requirement**
4.2.11.1 (1)	The maximum quantity of Class 1B flammable paint stored per pile is 15,000 l. There must be a minimum space of 1.5m between 15,000 l piles. A distance of 6.0 m is required between the piles and adjacent buildings or between the piles and a property line.
4.2.11.4 (1)	Outdoor storage of flammable liquids is to be provided with containment conforming to 4.1.6.1 to accommodate possible spillage.
4.1.6.1 Appendix A	The capacity of the containment for each pile should be 1000 l minimum or equal to the capacity of the largest container in the storage area.

4.1.5.5	A fire safety plan is to be provided that takes into consideration the new flammable storage compounds.
4.2.11.5 (1)	The outdoor area used for storage of flammable liquids is to be fenced in conformance with 3.3.2.6.
3.3.2.6 (1)	The storage area fence is to be firmly anchored and substantially constructed, be a minimum of 1.8 m high and have a lockable gate.
4.3.7.2	The spill containment floor and walls are to be constructed of noncombustible materials.
4.1.8.2 (1)	When Class 1 flammable liquids are dispensed to or from a container, such container shall be electrically connected (ground wire from truck to drum) to the fill system for control of static electricity.

The lane marker painting truck will be stored in one bay of the proposed upgrade to the building. Up to 1,700 l of flammable liquid can be stored in the tanks on the truck. No flammable liquid is transferred or dispensed within the building. The paint tanks on the truck are opened and cleaned on an annual basis with the potential of releasing fumes to the room during this operation. The Code clauses applicable to this situation include:

Clause	**Requirement**
4.2.7.5.A	The maximum quantity of Class 1B liquid that can be stored in the first story of an unprotected storage space is 10,000 l.
4.2.7.3 (1)	The storage area shall be separated from the remainder of the building by a fire separation having a fire resistance rating of at least 2 hours.

Based on the preliminary cost estimate provided by Wardrop Engineering in the feasibility study, the cost to make the modifications to the building and to construct an exterior storage area that meets all codes and requirements is $560,000.00 (plus applicable contingencies, and levies).

The identified work must be done in 2009. Wardrop has been engaged to conduct the detailed design, prepare the contract documents and to provide contract administration.

There is currently $800,000.00 in the Public Works Unspecified Capital Account.

It is therefore recommended that:

(1) That a new capital project be approved for the conversion of an existing building and yard area at 1220 Pacific Avenue for use as a Traffic Services Pavement Marking Operations facility.

(2) That authorization be granted for the transfer of funds in the amount of $600,000.00 from the Public Works Department Unspecified Capital Account in order to carry out the work required.

Financial Impact Statement

Date: March 4, 2009

Project Name: **First Year of Program** **2009**

NEW CAPITAL PROJECT AND TRANSFER OF FUNDING FOR TRAFFIC SERVICES PAVEMENT MARKING OPERATIONS FACILITY

	2009	2010	2011	2012	2013
Capital					
Capital Expenditures Required	$ 600,000	$ -	$ -	$ -	$ -
Less: Existing Budgeted Costs	-	-	-	-	-
Additional Capital Budget Required	$ 600,000	$ -	$ -	$ -	$ -
Funding Sources:					
Debt - Internal	$ -	$ -	$ -	$ -	$ -
Debt - External	-	-	-	-	-
Grants (Enter Description Here)	-	-	-	-	-
Reserves, Equity, Surplus	-	-	-	-	-
Other - Public Works Unspecified Capital	600,000	-	-	-	-
Total Funding	$ 600,000	$ -	$ -	$ -	$ -
Total Additional Capital Budget Required	$ 600,000				
Total Additional Debt Required	$ -				
Current Expenditures/Revenues					
Direct Costs	$ -	$ 60,000	$ 60,000	$ 60,000	$ 60,000
Less: Incremental Revenue/Recovery	16,185	-	-	-	-
Net Cost/(Benefit)	$ (16,185)	$ 60,000	$ 60,000	$ 60,000	$ 60,000
Less: Existing Budget Amounts	(16,185)	60,000	60,000	60,000	60,000
Net Budget Adjustment Required	$ -	$ -	$ -	$ -	$ -

Additional Comments: This report recommends that budget currently in the Public Works Department's Unspecified Capital Account be used to fund this new capital project.

"Original Signed by D. Stewart, CA"

Darcy Stewart, CA
Manager of Finance & Administration

IN PREPARING THIS REPORT THERE WAS:

Internal Consultation With and Concurrence By: N/A

External Consultation With: N/A

THIS REPORT SUBMITTED BY:

Department: Public Works
Division: Streets Maintenance
Prepared by: K.R. Boyd, P. Eng.
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