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DATE: June 1, 2009

REPORT TITLE: **WATERMAIN REPLACEMENT ON PORTWAY AVENUE  
CAPITAL PROJECT 09-1351  
CITY OF MISSISSAUGA, WARD 8**

FROM: Dan Labrecque, Commissioner of Environment, Transportation  
and Planning Services

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## RECOMMENDATION

**That the replacement of approximately 450 metres of watermain on Portway Avenue for \$530,000 be set up under Capital Project 09-1351, financed from the Water Capital Financing Stabilization Reserve, R0241;**

**And further, that the required documents be executed by the Region's duly authorized signing officers.**

### REPORT HIGHLIGHTS

- A local improvement has been approved by the Regional Council for sanitary servicing on Portway Avenue, from 2144 Portway Avenue to North Sheridan Way under capital project 08-2706.
- The cast iron watermains on Portway Avenue were installed in 1966/1967 and are reaching the end of their service life.
- It is proposed that the watermains on Portway Avenue, within the boundaries of the Local Improvement project, be replaced in conjunction with the sanitary sewer installation to avoid disrupting these residents with infrastructure improvements again in the future.
- It is proposed that the watermain replacement be performed under capital project 09-1351 and that \$530,000 be transferred from the Capital Financing Stabilization Reserve to project 09-1351 to complete the proposed works.

## DISCUSSION

### 1. Background

An application for a Local Improvement has been received and approved for the installation of a sanitary sewer on Portway Avenue, from approximately 2144 Portway Avenue to North Sheridan Way under Capital project 08-2706. Staff has identified cast iron watermains within the project boundaries that are reaching the end of their service life.

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**Watermain Replacement on Portway Avenue**

**Capital Project 09-1351**

**City of Mississauga, Ward 8**

**a) Watermain Condition**

The cast iron watermain on Portway Avenue in the City of Mississauga were installed in 1967 and are approaching the end of their estimated service life. Water quality has been a concern for one section of this watermain, and will likely become a greater concern as it ages further and corrosion becomes more significant.

**b) Linear Asset Prioritization System (LAPS)**

The Region has a comprehensive Linear Asset Prioritization System (LAPS) that prioritizes the replacement of watermain throughout Peel. The prioritization is based on condition, performance, age, and the risk of the asset.

According to LAPS, the watermain on Portway Avenue is still performing well, however it is approaching an age where corrosion will become more significant which could cause increasing water quality complaints.

**2. Findings**

The cast iron watermain located on Portway Avenue from 2144 Portway Avenue to North Sheridan Way is approaching the end of its service life and is expected to have deteriorating water quality as it continues to age. The wastewater Local Improvement project on Portway Avenue provides an opportunity to efficiently replace this watermain by saving on duplicating restoration costs and avoiding disrupting the residents numerous times.

The estimated replacement cost for the 450 metres of watermain between 2144 Portway Avenue and North Sheridan Way is approximately \$530,000, based on 2009 unit cost estimates.

**FINANCIAL IMPLICATIONS**

Financing for Capital Project 09-1351 in the amount of \$530,000 will be funded from Water Capital Financing Stabilization Reserve, R0241.

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**Watermain Replacement on Portway Avenue  
Capital Project 09-1351  
City of Mississauga, Ward 8**



Dan Labrecque  
Commissioner of Environment, Transportation  
and Planning Services



**Approved for Submission:**



D. Szwarc, Chief Administrative Officer



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c. Legislative Services  
 Manager, Financial Support Unit (FSU)

# APPENDIX I

May 25, 2009



## WATERMAIN REPLACEMENT ON PORTWAY AVENUE CAPITAL PROJECT 09-1351 CITY OF MISSISSAUGA, WARD 8

