

## Public Works and Infrastructure Committee

<b>Meeting No.</b>	9	<b>Contact</b>	Rosalind Dyers, Committee Administrator
<b>Meeting Date</b>	Wednesday, October 3, 2007	<b>Phone</b>	416-392-8018
<b>Start Time</b>	9:30 AM	<b>E-mail</b>	pwic@toronto.ca
<b>Location</b>	Committee Room 1, City Hall		

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*The Decision Document is for preliminary reference purposes only. Please refer to the Committee's Report to City Council or to the Minutes for the official record.*

### *How to Read the Decision Document:*

- *Recommendations of the Committee to City Council appear after the item heading.*
- *Any amendments by Committee to recommendations appearing in a staff report are italicized.*
- *Other action taken by the Committee on its own authority, which does not require Council's approval, is listed in the decision document under the heading "Decision Advice and Other Information".*
- *Declarations of Interest, if any, appear at the end of an item.*

*Minutes Confirmed – Meeting of September 6, 2007*

PW9.1	ACTION	Amended		Ward: 42
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### **Markham By-pass - Morningside Avenue: Individual Environmental Assessment**

(June 12, 2007) Report from the Chief Planner and Executive Director, City Planning Division.

#### **Committee Recommendations**

The Public Works and Infrastructure Committee recommends that:

- A. City Council adopt the following position regarding the Markham By-pass – Morningside Avenue Link:

1. City Council does not support the project being divided into three sections as proposed by the Provincial Development Facilitator;
  2. City Council will only support the releasing of Section 1, between Highway 407 and 9<sup>th</sup> Line, conditional upon:
    - a. York Region supporting the City's preferred alternative west of 9<sup>th</sup> Line, via 9<sup>th</sup> Line, Steeles Avenue and the new alignment of Morningside Avenue; and
    - b. York Region agreeing to evenly share with the City all costs related to improving and maintaining Steeles Avenue across the entire length of our boundary;
  3. City Council direct City Planning Division to secure the Morningside Avenue 36-metre right-of-way between Passmore Avenue and Steeles Avenue as part of the Plan of Subdivision process when processing development applications by Manulife Insurance Company and Tap-Steele Investment Ltd. in the Tapscott Employment District;
  4. *Steeles Avenue East between 9th Line and Markham Road be widened to four lanes instead of the two lanes initially approved by City Council on June 14, 15 and 16, 2005;*
  5. *any bridges on Steeles Avenue East between 9th Line and Markham Road when reconstructed be widened to accommodate six lanes;*
- B. City Council request the Provincial Government, the Greater Toronto Transportation Authority, the Regional Municipalities of Durham and York, and the Town of Markham to consider the building of a GO line on the CP Havelock rail line, that runs north-east through the Morningside Heights community, east Markham, on towards the future town of Seaton, North Pickering, Uxbridge and Peterborough, in order to address the issue of transit grid-lock; and*
- C. the appropriate City Officials be authorized and directed to take the necessary action to give effect thereto.

### **Decision Advice and Other Information**

The Public Works and Infrastructure Committee requested the General Manager, Transportation Services to report directly to Council for its meeting on October 22, 2007, on the feasibility of installing traffic signs on the south side of Steeles Avenue East, between 9<sup>th</sup> Line and Markham Road, that restricts traffic into the Morningside Heights Community.

### **Financial Impact**

The recommendations in this report have no financial impact.

## Summary

The purpose of this report is to advise City Council on the discussions that have taken place with the Provincial Development Facilitator regarding the differing positions of York Region Council and City of Toronto Council regarding the planned Markham By-pass-Morningside Road link. This report also recommends a new City position with respect to the resolution of this matter.

## Background Information

2007-06-27-pw09-1

<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-5612.pdf>

## Communications

(June 25, 2007) Submission from Steve Szilard (PW.Main.PW9.1.1)

(June 27, 2007) Submission from Cate Bokhout (PW.Main.PW9.1.2)

(February 17, 2007) letter from Jim Robb, General Manager, Friends of the Rouge Watershed, addressed to the Project Officer, Ministry of the Environment (PW.Main.PW9.1.3)

(June 27, 2007) Submission from Andy McKinnon (PW.Main.PW9.1.4)

(October 3, 2007) petition from Cate Bokhout presenting a Petition signed by approximately 500 residents of the City of Toronto opposed to Steeles Avenue East being widened to more than four lanes between Markham Road and 9th Line (PW.New.PW9.1.5)

## 1a Markham By-pass - Morningside Avenue: Individual Environmental Assessment

(September 4, 2007) Letter from the Executive Committee.

## Summary

The Executive Committee on September 4, 2007, directed that the issue of the planned Markham By-pass-Morningside Road link, be considered by the Public Works and Infrastructure Committee, and referred the communication (June 27, 2007) back to the Public Works and Infrastructure Committee.

## Background Information

2007-10-03-pw09-1a

<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7192.pdf>

PW9.2	ACTION	Adopted		Ward: All
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## **Sustainable Transportation Initiatives: Short-term Proposals**

(September 19, 2007) Report from Deputy City Manager Richard Butts.

### **Committee Recommendations**

The Public Works and Infrastructure Committee recommends that:

1. City Council support, in principle, the short-term Sustainable Transportation Initiatives contained in Appendix 1 to this report in order to achieve, in part, the reduction targets for greenhouse gas emissions contained in the “Climate Change, Clean Air and Sustainable Energy Action Plan” approved by City Council.

Re: Pedestrians:

2. City Council:
  - a. direct the General Manager, Transportation Services to develop criteria for the establishment of temporary pedestrian streets and zones, such as “Pedestrian Sundays”, and identify the appropriate resources to assist in the implementation and promotion of events satisfying these criteria;
  - b. direct the Chief Planner and Executive Director, City Planning, in consultation with appropriate City staff, to assess opportunities to establish a permanent pedestrian street and report to the Planning and Growth Management Committee on a public consultation process for the review and implementation of such a facility;
  - c. endorse, in principle, the following four types of enhancements at signalized intersections, as described more fully in the body of this report and in Appendix 2, which give significantly greater priority to, and enhanced safety for, pedestrians:
    - i. increasing the pedestrian crossing clearance times;
    - ii. replacing the flashing “DON’T WALK” displays with flashing “WALK” displays;
    - iii. introducing pedestrian scramble phases (Barnes’ dance) at appropriate locations on a pilot project basis; and
    - iv. expanding the “leading pedestrian intervals” or pedestrian head-start feature to other intersections;
  - d. direct the General Manager, Transportation Services, in accordance with Recommendation No. 2.c.iii., above, to evaluate and implement “pedestrian scramble phases” on a pilot project basis at the following intersections:

- i. Bloor Street and Bay Street; and
  - ii. Bloor Street and Yonge Street;
- e. direct the General Manager, Transportation Services, in accordance with Recommendation No. 2.c.iv. above, to identify approximately 20 appropriate intersections for the installation, in 2008, of “Leading Pedestrian Intervals”;
  - f. direct the General Manager, Transportation Services, in consultation with appropriate City staff, to assess opportunities for the narrowing of pavements, in order to widen sidewalks and enhance landscaping, in conjunction with the design of all road reconstruction projects and that any feasible narrowings, following appropriate public consultation, be incorporated accordingly;
  - g. direct the Chief Planner and Executive Director, City Planning to finalize the Streetscape Manual and that this manual be used as the standard in the design and reconstruction of all City streets; and
  - h. direct the Chief Planner and Executive Director, City Planning, in consultation with appropriate City staff, to develop and report back on a comprehensive “green corridor plan” that would establish priority north-south green corridors across the waterfront and identify opportunities to link these initiatives with capital works and development-related projects.

Re: Cycling:

3. City Council:

- a. direct the Executive Director, Facilities and Real Estate to assess the feasibility of a bike-station in the redevelopment of Union Station;
- b. direct the Chief Planner and Executive Director, City Planning to assess the feasibility of a Bike Share program for City staff at all Civic Centres and to develop a business case for commuter and community public bike share programs and report back to the Planning and Growth Management Committee on these initiatives;
- c. authorize the General Manager, Transportation Services to retain a Transportation Consultant to undertake, in 2008, an Environmental Assessment of an east-west bicycle route through the downtown area with the objective of implementing the recommended route in 2009;
- d. direct the General Manager, Transportation Services to report on the feasibility of establishing a bikeway on Bloor Street and Danforth Avenue, from Royal York Road to Victoria Park Avenue, including the development of design options and an assessment of the parking and traffic impacts, and report to the Public Works and Infrastructure Committee on the results of this review; and

- e. direct the General Manager, Transportation Services, in consultation with the General Manager, Parks, Forestry and Recreation, to investigate the feasibility, assess the maintenance requirements and responsibilities, undertake the detailed design and enter into negotiations with the owners and operators of the rail and hydro corridors for the implementation of the bicycle trails identified in the approved Bike Plan within these corridors, and to report back on the results of this review.

Re: Parking:

4. City Council:

- a. direct the General Manager, Transportation Services, to review and report on modifications to the peak period stopping and parking restrictions on arterial roads, where appropriate, on a City-wide basis in order to reduce traffic congestion, improve surface transit service, and increase cyclist safety during the “shoulder” periods; and
- b. request the Greater Toronto Transportation Authority (GTTA) to develop, in consultation with municipalities in the Greater Golden Horseshoe, GO Transit, and other motor coach carriers, a strategy for the construction of commuter parking facilities throughout the Greater Toronto Area (GTA) in order to reduce the number and length of single-occupant vehicle trips.

Re: Transit:

5. City Council:

- a. direct the General Manager, Transportation Services to review, in consultation with the Chief General Manager, Toronto Transit Commission, opportunities to introduce or extend left turn prohibitions at intersections, or alternatively introduce advanced exclusive left turn phases at signalized intersections, in order to reduce the delays to streetcar service and enact the necessary by-laws to implement these regulations as soon as possible;
- b. direct the General Manager, Transportation Services, in consultation with the Chief General Manager, Toronto Transit Commission, to explore opportunities to improve the current system of traffic signal priority for transit vehicles so that it would only apply to transit vehicles that are behind schedule or to maintain headways;
- c. direct the General Manager, Transportation Services to review, in consultation with the Chief General Manager, Toronto Transit Commission, opportunities to introduce transit queue jump lanes and far side bus bays to improve transit service at congested intersections, keeping in mind the impact of these facilities on sidewalks and landscaping at these locations;

- d. endorse the implementation of shoulder bus lanes on the Don Valley Parkway, between York Mills Road and Lawrence Avenue East;
- e. direct the General Manager, Transportation Services to request the Ministry of Transportation, Ontario, to undertake whatever amendments to the Highway Traffic Act are necessary to implement the shoulder bus lanes on the Don Valley Parkway and to report on the implementation as soon as possible;
- f. direct appropriate City and Toronto Transit Commission (TTC) staff to work with the Province to investigate the feasibility of a pilot project that would see the introduction of automated enforcement camera technology to enforce turning, stopping and parking prohibitions that are designed to improve transit service; and
- g. direct the Chief General Manager, Toronto Transit Commission to ensure that all new Light Rail Transit (LRT) vehicles purchased by the TTC are equipped to handle some form of Proof-of-Payment (POP) system.

Re: Transportation Demand Management (TDM) Initiatives:

- 6. City Council show leadership in promoting transportation demand management (TDM) strategies by:
  - a. directing staff to negotiate with the newly-created Greater Toronto Transportation Authority (GTTA) and other municipalities within the region to jointly fund and support the continuing TDM efforts of:
    - i. the region-wide Smart Commute Association; and
    - ii. the Smart Commute North Toronto, Vaughan and Smart Commute Northeast local transportation management associations;

and that staff report back to Council by the end of 2007 for funding approval upon completion of these negotiations.
  - b. supporting the implementation of the existing guidelines on alternative work arrangements (including compressed work weeks, flexible work hours and part-time hours) and directing the Executive Director, Human Resources to develop a policy on “teleworking”;
  - c. supporting the provision of on-street, reserved parking spaces for car sharing vehicles in selected locations; and
  - d. encouraging the GTTA to undertake, as a priority, a region-wide study of road pricing.

Re: Other Initiatives:

7. City Council:

- a. direct the General Manager, Transportation Services and the Chief Planner and Executive Director, City Planning, to report on:
  - i. the establishment of a permanent City staff committee to liaise with representatives of the cartage and courier industries, building owners, managers and tenants on commercial vehicle servicing issues, including the access and parking needs of pick-up, delivery and servicing vehicles; and
  - ii. possible strategies to encourage a greater proportion of courier deliveries and pick-ups to be made by bicycle;
- b. direct the General Manager, Transportation Services to incorporate the assessment of both the off-street and on-street impacts of the loading/pick-up/delivery/servicing needs of major new developments as a requirement of the City's new Traffic Impact Study guidelines that staff are currently developing;
- c. endorse the use of taxis as an acceptable sustainable transportation alternative and direct the General Manager, Transportation Services, in consultation with representatives of the taxi industry, to examine opportunities and measures to make taxis more convenient and readily available to users;
- d. direct the General Manager, Transportation Services to undertake a review of the existing operations and regulations of the High Occupancy Vehicle (HOV) lanes in the City and report on effective changes, and that the GTTA take the lead in a review of HOV facilities throughout the GTA to ensure consistency and continuity on a region-wide basis; and
- e. request the GTTA to meet with the transportation agencies in the GTA to explore opportunities for collaborative Intelligent Transportation System (ITS) initiatives.

Re: Monitoring the Effectiveness of These Initiatives:

8. City Council:

- a. direct staff of Transportation Services and City Planning to work with staff of the Toronto Environment Office (TEO) to develop improved methods for measuring the environmental impacts of sustainable transportation initiatives for inclusion in the broader monitoring and evaluation framework proposed by the Climate Change Plan.



## **Financial Impact**

Most of the short-term sustainable transportation initiatives presented in this report can be implemented from funding within the Transportation Services 2007 Capital Budget and the proposed 2008 Capital Budget. Some of the proposals, however, need to be further developed and assessed in terms of their potential financial impact and funding requirements. These financial impacts, including the identification of any potential funding partnerships with other orders of government, will be addressed in any future reports required for the approval of these specific initiatives.

The Smart Commute North Toronto, Vaughan and the Smart Commute Northeast transportation management associations have been funded, in part, by the City Planning Division in the amount of \$135,000.00 annually, over the last three years. Currently, funding arrangements for the Smart Commute Association (SCA) and the related activities of the local transportation management associations are at a transitional stage, while the newly-created Greater Toronto Transportation Authority (GTTA), in consultation with the regional municipalities, determines its role in meeting the gap created by the expiry of the federal government's Urban Transportation Showcase Program, which had provided vital start-up funding during these three years. It is expected that similar contribution levels will be needed in the future, but the exact amounts cannot be determined until the current negotiations with the GTTA are concluded. City staff should be in a position to report to Council on the proposed new funding arrangements for this program by the end of the year.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

## **Summary**

City Council, in considering the "Climate Change, Clean Air and Sustainable Energy Action Plan: Moving from Framework to Action" (the "Climate Change Plan") at its meeting on July 16, 17, 18 and 19, 2007, adopted, among other things, reduction targets for greenhouse gas emissions for the Toronto urban area as well as a reduction target for locally generated smog-causing pollutants. Reductions in these harmful emissions from the transportation sector can be brought about through a combination of technical, behavioural and urban structure changes.

The transportation-related recommendations contained in the "Climate Change Plan" are largely being dealt with separately. The purpose of this report is to present a number of additional sustainable transportation initiatives, beyond those contained in the "Climate Change Plan", that could be implemented fairly quickly and, in most cases, at relatively little expense. Although each initiative may seem modest in scope, collectively they signal a new way of looking at, implementing, and operating the City's transportation system and provide a launch for more fundamental City-building changes that will be required to achieve the long-term vision of a truly sustainable transportation system for Toronto. These initiatives will also form a component of the longer-term and broader-scoped Sustainable Transportation Implementation Strategy that City Council, in dealing with the "Climate Change Plan", has directed staff to prepare in order to achieve the reduction targets for greenhouse gas emissions and smog-causing pollutants.

## Background Information

2007-10-03-pw09-2

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7193.pdf>)

2007-10-03-pw09-2.app1

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7209.pdf>)

2007-10-03-pw09-2.app2

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7210.pdf>)

## Communications

(September 29, 2007) e-mail from Lani Choi (PW.New.PW9.2.1)

(September 28, 2007) e-mail from Michael Polanyi (PW.New.PW9.2.2)

(September 28, 2007) e-mail from Zihao Li (Michael), Rosedale Heights School of the Arts (PW.New.PW9.2.3)

(September 28, 2007) e-mail from Christine Stait-Gardner (PW.New.PW9.2.4)

(October 1, 2007) e-mail from Waleed Ahmed (PW.New.PW9.2.5)

(October 1, 2007) letter from Brian Shifman, Executive Director, Smart Commute - North Toronto, Vaughan (PW.New.PW9.2.6)

(October 3, 2007) Submission from Kristen Courtney (PW.New.PW9.2.7)

(October 2, 2007) letter from Fred Sztabinski, Project Co-ordinator, Toronto Coalition for Active Transportation (TCAT) (PW.New.PW9.2.8)

(October 2, 2007) letter from Hamish Wilson (PW.New.PW9.2.9)

(October 3, 2007) Submission from Kelsey Carriere (PW.New.PW9.2.10)

(October 3, 2007) Submission from Albert Koehl, Bells on Bloor, Angela Bischoff, Take the Tooker, and Kristen Courtney, Bikes on Bloor (PW.New.PW9.2.11)

(October 3, 2007) Submission from Wayne Scott, Hoof & Cycle (TOBMA) (PW.New.PW9.2.12)

(October 3, 2007) Submission from Angela Bischoff (PW.New.PW9.2.13)

(October 3, 2007) Presentation from Transportation Services and City Planning (PW.New.PW9.2.14)

PW9.3	Information	Received		Ward: All
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## Use of Salt on City Sidewalks

(September 12, 2007) Report from General Manager, Transportation Services.

## Decision Advice and Other Information

The Public Works and Infrastructure Committee received for information the report from the General Manager, Transportation Services.

## Financial Impact

There is no financial impact associated with receipt of this report.

## Summary

This information report addresses the issues surrounding the use of rock salt as a de-icer on City sidewalks during the winter months. It is in response to a request from Councillor Mihevc for a study and report on best practices for the sidewalk application of salt, in an effort to balance pedestrian safety in the winter with environmental concerns.

Sodium chloride, commonly known as rock salt, is the most readily available de-icer and balances both cost effectiveness and respect for the environment. While alternatives exist, their wide scale use would be prohibitively expensive given the quantities required by a City as large as Toronto and, in some cases, pose a greater threat to the environment than sodium chloride.

## Background Information

2007-10-03-pw09-3

<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7194.pdf>

PW9.4	ACTION	Adopted		Ward: 1, 2, 3, 4, 5, 6
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## **Etobicoke Residential Curbside Collection - Request for Quotation (RFQ) 6033-07-3232**

(September 19, 2007) Report from the General Manager, Solid Waste Management Services and the Director, Purchasing and Materials Management.

## Committee Recommendations

The Public Works and Infrastructure Committee recommends that:

1. authority be granted to award a contract to Turtle Island Recycling Corporation being the lowest bidder for the Collection of Curbside Waste, Recyclables, Organics, Bulky Items and Yard Waste from Single Family, Small Multi-unit Residential Buildings, Townhouses, Agencies, Boards, Commissions and Divisions in the former Etobicoke area for the period from July 1, 2008 to June 30, 2015, for a total amount of \$59,547,250.00, net of GST and annual consumer price index (CPI) adjustments with the option to renew for:
  - a. up to two (2) additional twelve (12) month extensions from July 1, 2015 to June 30, 2016, in the amount of \$8,506,750.00 net of GST and CPI adjustment and from July 1, 2016 to June 30, 2017, in the amount of \$8,506,750.00 net of GST and CPI adjustment for a total of \$17,013,500.00 net of GST and CPI adjustment should both 12-month options be exercised; or
  - b. one (1) additional twenty-four (24) month extension from July 1, 2015 to June 30, 2017, in the amount of \$17,013,500.00 net of GST and CPI adjustment; and

2. the General Manager, Solid Waste Management Services be authorized to exercise the extension options as described in Recommendation 1 and, if he exercises the extension options, he be authorized to instruct the Chief Purchasing Official to process the necessary contract renewal(s) for option (a) two (2) additional twelve (12) month extensions from July 1, 2015 to June 30, 2016, in the amount of \$8,506,750.00 net of GST and CPI adjustment and from July 1, 2016 to June 30, 2017, in the amount of \$8,506,750.00 net of GST and CPI adjustment for a total of \$17,013,500.00 net of GST and CPI adjustment should both 12-month options be exercised; or for option (b) one (1) additional twenty four (24) month extension from July 1, 2015 to June 30, 2017, in the amount of \$17,013,500.00 net of GST and CPI adjustment under the same terms and conditions.

### Financial Impact

The total potential contract award is \$81,154,395.00 plus annual consumer price index (CPI) adjustments, including GST (PST is not applicable). The total potential cost to the City is \$76,560,750.00 plus CPI adjustments, net of GST. The estimated funds required for the period from July 1, 2008 to December 31, 2008, are \$4,253,375.00 net of GST. Funding will be included in the 2008 Operating Budget submission, Solid Waste Management Services Accounts SW0361 (Etobicoke Recycle), SW0368 (Etobicoke Garbage), and SW0375 (Etobicoke Organics/Yard Waste). The balance of funds required in the amount of \$72,307,375.00 net of GST and CPI adjustments from 2009 to 2017 will be included in the Program's 2009 to 2017 Operating Budget submissions in Solid Waste Management Services Accounts SW0361, SW0368 and SW0375 in the amount of \$8,506,750.00 plus CPI adjustment annually. Prices will be adjusted annually, on the anniversary of the start date, to reflect the change in the CPI for Toronto – all items.

	July 1, 2008 to June 30, 2015 Net of GST and CPI	Option Year 1 July 1, 2015 to June 30, 2016	Option Year 2 July 1, 2016 to June 30, 2017	Total Potential Contract Award Net of GST and CPI
Total Costs	\$59,547,250.00	\$8,506,750.00	\$8,506,750.00	\$76,560,750.00

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

### Summary

The purpose of this report is to advise on the results of the Request for Quotation (RFQ) 6033-07-3232 for the Collection of Curbside Waste, Recyclables, Organics, Bulky Items and Yard Waste from Single Family, Small Multi-unit Residential Buildings, Townhouses, Agencies, Boards, Commissions and Divisions in the former Etobicoke area, all in accordance with the specifications in the RFQ, and to request authority to award a contract to the recommended bidder.

### Background Information

2007-10-03-pw09-4

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7195.pdf>)

PW9.5	ACTION	Adopted		Ward: All
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## **Enactment of New Harmonized City Water Supply By-law 851**

(September 19, 2007) Report from the General Manager, Toronto Water.

### **Committee Recommendations**

The Public Works and Infrastructure Committee recommends that:

1. the proposed Municipal Code, Chapter 851 - WATER SUPPLY, be approved and enacted substantially in accordance with the draft By-law attached as Appendix 1 to this report with an effective date of January 1, 2008, to consolidate and harmonize the existing water supply By-laws of the former municipalities;
2. authority be granted to the City Solicitor to submit any Bills required to enact the new Municipal Code Chapter 851 - WATER SUPPLY, substantially in accordance with Appendix 1 of this report, subject to any necessary refinements, including stylistic, format and organization, as may be identified by the City Solicitor and General Manager of Toronto Water;
3. Municipal Code, Chapter 849 - WATER AND SEWAGE SERVICES, be amended in accordance with the draft By-law attached as Appendix 2 to this report to update Chapter 849, and, as may be necessary, to effect changes necessitated by the enactment of Chapter 851 and the consequential repeal of water supply By-laws of the former municipalities;
4. Appendix A, Schedule 3 of Municipal Code, Chapter 441 - FEES AND CHARGES, be amended in accordance with the draft By-law attached as Appendix 3 to this report to update Chapter 441, and, as may be necessary, to effect changes necessitated by the enactment of Chapter 851;
5. the City Solicitor be given the authority to amend any City By-laws or Code Chapters, or sections therein, which may contain references to any By-law or Code Chapter, or section therein, which is superseded by the proposed Chapter 851 and the proposed amendments to Chapters 441 and 849 to eliminate and, where appropriate, correct such references; and
6. the appropriate City officials and staff be authorized and directed to take the necessary action to give effect to these recommendations.

### **Financial Impact**

There are no financial implications to the City as a result of this report.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

## Summary

The purpose of this report is to recommend the enactment of a new harmonized City of Toronto Water Supply By-law to become effective as of January 1, 2008. The new By-law amalgamates the existing six By-laws and includes additional provisions designed to better protect the health and safety of potable water users by strengthening the integrity of the water supply system.

The new Water Supply By-law harmonizes, across the City, the various services provided and standardizes practices, procedures, and fees allowing for full cost recovery where warranted, without imposing any new service fees. The new By-law more clearly defines the roles and responsibilities of property owners and the City.

In addition, a new specific measure requires the installation and maintenance of a backflow prevention device at specific industrial, commercial, institutional, and mixed-use multi-residential properties to prevent the possible migration of contaminants from private property into the public water distribution system.

Other measures include requiring the installation of water meters at all properties to promote water conservation and providing the General Manager of Toronto Water with the authority to issue water restriction orders to maintain sufficient water levels and pressures within the distribution system during extreme peak demand periods or in the event of significant disruption to the water supply infrastructure.

Furthermore, if the provisions of the new Water Supply By-law (Municipal Code Chapter 851) are enacted, it will be necessary to update and revise Municipal Code Chapter 441, Fees and Charges and to amend Municipal Code Chapter 849 Water and Sewage Services which contains the By-laws of the former municipalities.

## Background Information

2007-10-03-pw09-5

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7196.pdf>)

2007-10-03-pw09.5.appA

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7197.pdf>)

2007-10-03-pw09.5.appB

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7198.pdf>)

2007-10-03pw09.5.appC

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7205.pdf>)

2007-10-03-pw09.5.att1

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7199.pdf>)

2007-10-03-pw09.5.att2

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7200.pdf>)

PW9.6	ACTION	Adopted		Ward: All
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## Research Partnerships with Toronto Water

(September 17, 2007) Report from the General Manager, Toronto Water and the Treasurer.

### Committee Recommendations

The Public Works and Infrastructure Committee recommends that:

1. the General Manager be authorized to enter into and execute agreements in respect to City funding and participating in research initiatives or projects related to environmental impact assessment and the treatment and management of water, wastewater and stormwater, with post-secondary educational institutions, governmental agencies and/or non-profit professional organizations, including any procurement of services related thereto subject to meeting the following criteria:
  - a. The research initiative or project directly contributes to achieving the Goals and Objectives stated in Toronto Water's Business Plan.
  - b. The project participants are post-secondary educational institutions, other municipalities or governmental agencies and/or non-profit professional organizations who can provide objective, qualified and professional expertise.
  - c. The project is of a scientific or technical nature utilizing specialized academic or professional expertise at competitive rates.
  - d. Toronto Water's contribution to each research initiative or project does not exceed a value of \$500,000 (before taxes) per year.
  - e. An agreement be entered into among all participants in the research initiative or project on terms and conditions satisfactory to the City Solicitor.
2. Schedule 'A' of the Financial Control By-law, Chapter 71 of the Municipal Code, be amended to include payments to post-secondary educational institutions, other municipalities or governmental agencies and/or non-profit professional organizations in relation to research initiatives or projects which directly contribute to achieving the Goals and Objectives stated in Toronto Water's Business Plan; and
3. the appropriate City officials be authorized and directed to take the necessary action to give effect thereto.

### Financial Impact

Funds for the provision of technical expertise or the undertaking of specialized research through post-secondary educational institutions, governmental agencies and/or not for profit professional organizations, as recommended, will be provided for in Toronto Water's Operating or Capital Budgets of the relevant fiscal years in the Toronto Water Cost Centre Group TW.A2 or the appropriate WBS Elements CWW/CPW.

The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

### Summary

Toronto Water regularly enters into arrangements with institutions of higher learning (e.g., universities) as well as professional, not for profit, organizations such as the American Water Works Association (AWWA), or other government agencies (e.g., Environment Canada) to undertake specialized research and testing, which may benefit Toronto Water's operations. Currently, the undertaking of specialized research necessitates a staff report to Committee to authorize each initiative and there is no specific criteria or process established to evaluate and approve the various research initiatives.

This report establishes criteria to be used by the General Manager, Toronto Water, when considering support for future research related projects and initiatives and the approval process to be followed.

### Background Information

2007-10-03-pw09.6

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7201.pdf>)

PW9.7	ACTION	Adopted		Ward: 44
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### **Contract 07FS-49WP, Tender Call No. 136-2007 Highland Creek Treatment Plant - Replacement of Aeration System in Tank No. 12 - Amend Purchase Order No. 6022903**

(September 17, 2007) Report from Executive Director, Technical Services and the Director, Purchasing and Materials Management Division.

### Committee Recommendations

The Public Works and Infrastructure Committee recommends that:

1. authority be granted to amend Purchase Order No. 6022903 for construction services with W.A. Stephenson Mechanical Contractors Limited for the construction related to the Replacement of Aeration System in Tank No. 12 at the Highland Creek Treatment Plant, by an additional amount of \$759,072.16 net of GST, which includes a contingency allowance of \$66,037.75 net of GST, if necessary, and authorized by the Executive Director, Technical Services, for a revised total of \$1,511,902.35 net of GST; and
2. the appropriate officials be authorized and directed to take the necessary actions to give effect thereto.



## Financial Impact

The total purchase order amendment for Contract 07FS-49WP, Tender Call 136-2007, identified in this report, is \$804,616.49 including all applicable taxes, charges, and contingencies. The cost to the City, net of GST, is \$759,072.16. Funding is available in the approved 2007 Toronto Water Capital Budget, WBS Element CWW036-06 – Immediate Projects from Facility Forecast. The cash flow requirements for this project are \$380,000.00 net of GST in 2007 and \$379,072.16 net of GST in 2008.

## Summary

The purpose of this report is to request authority to amend Purchase Order No. 6022903 related to the contract for the Replacement of Aeration System in Tank No. 12 at the Highland Creek Treatment Plant.

## Background Information

2007-10-03-pw09-7

(<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7202.pdf>)

## Communications

(October 3, 2007) Submission from Dr. Stephen Connell (PW.New.PW9.7.1)

PW9.8	ACTION	Adopted		Ward: 36
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## Purchase Order Amendment - Residue Management Facility – R.C. Harris Water Treatment Plant - Amendments to Contract 47009953 and Purchase Order 6015044

(September 11, 2007) Report from Executive Director, Technical Services and Director, Purchasing and Materials Management Division.

## Committee Recommendations

The Public Works and Infrastructure Committee recommends that:

1. funds in the amount of \$4,390,000 net of GST be reallocated for payment of the enhancements made to the Residual Management Facility during construction as follows: \$1,500,000 from CPW543-05 Watermain Rehabilitation Cathodic Protection, \$400,000 from CPW537-05 Easement Acquisition, \$1,000,000 from CWW088-44 Humber WWTP Waste Activated Sludge Upgrade, \$900,000 from CWW037-07 New Groundskeeping Building, \$300,000 from CPW020-22 Controlled Substances Identification and Abatement and \$290,000 from CWW447 Wet Weather Flow Master Plan Design and Implementation to CPW007 R.C. Harris Residue Management;

2. subject to approval of Recommendation 1, authority be granted to amend Contract 47009953 for the construction of the Residue Management Facility at the R.C. Harris Water Treatment Plant with Kenaidan Contracting Ltd. by an additional amount of \$2,757,460.41 excluding GST revising the current contract value from \$61,596,612.00 to \$64,354,072.41 excluding GST; and
3. subject to the approval of Recommendation 1, authority be granted to amend the Purchase Order 6015044 for contracted professional engineering services with CH2M Hill Canada Limited for the provision of general office administration and site supervision services during construction by an additional amount of \$570,000.00 excluding GST, revising the current value from \$1,792,251.30 to \$2,362,251.30 excluding GST.

### Financial Impact

The amendments require additional cash flow in the amount of \$3,327,460.41 net of GST. This project is included in the approved 2007-2011 Toronto Water Capital Budget in WBS Element (CPW007) R.C. Harris Residue Management Facility. However, at this time, the uncommitted cash flow is insufficient and additional cash flow authority is required to meet these commitments. As well, an additional \$1,062,539.59 is required for plant security and construction testing and other additional expenses anticipated in order to complete the construction of the plant for a total of \$4,390,000, net of GST.

The additional cash flow and project cost (all net of GST) is to be reallocated from approved 2007 capital projects (with net impact of \$0) as follows:

Account Number	Account Name	Amount
CPW543-05	Watermain Rehabilitation Cathodic Protection	\$1,500,000.00
CPW537-05	Easement Acquisition	\$ 400,000.00
CWW008-44	Humber WWTP Waste Activated Sludge Upgrade	\$1,000,000.00
CWW037-07	New Groundskeeping Building	\$ 900,000.00
CPW020-22	Controlled Substances Identification and Abatement	\$ 300,000.00
CWW447-06	Wet Weather Flow Master Plan Design and Implementation	\$ 290,000.00
TOTAL		\$4,390,000.00

### Summary

The purpose of this report is to request the authority to amend Contract 47009953 and Purchase Order 6015044 related to the construction of the Residue Management Facility at the R.C. Harris Water Treatment Plant.

### Background Information

2007-10-03-pw09-8

<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7203.pdf>

### Communications

(October 3, 2007) Submission from Dr. Stephen Connell (PW.New.PW9.8.1)

PW9.9	ACTION	Adopted		Ward: 14, 19
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## Western Beaches Tunnel

**Confidential - Litigation or potential litigation, including matters before administrative tribunals, affecting the municipality or local board and receiving of advice that is subject to solicitor-client privilege.**

(September 19, 2007) Report from the City Solicitor.

### Committee Recommendations

The Public Works and Infrastructure Committee recommends that:

1. Council adopt the confidential instructions to staff in Attachment 1;
2. Council authorize the public release of Recommendation 1. of the confidential instructions to staff in Attachment 1 after Council has adopted the confidential instructions to staff; and
3. the Confidential Information in Attachment 1 remain confidential.

### Financial Impact

The financial impacts are discussed in the Confidential Information in Attachment 1 of this report. The Deputy City Manager and Chief Financial Officer has reviewed this report and agrees with the financial impact information.

### Summary

In 2005, there were shaft breakages of the pumps installed as part of the Western Beaches Tunnel system. The City has incurred costs and may incur further costs to remedy the underlying problem. The purpose of this report is to provide solicitor-client advice and recommended action regarding the recovery of these costs.

### Background Information

2007-10-03-pw09-9

<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-7204.pdf>

### Communications

(October 3, 2007) Submission from Dr. Stephen Connell (PW.New.PW9.9.1)

(October 3, 2007) Submission from Karey Shinn, The Safe Sewage Committee (PW.New.PW9.9.2)

(October 3, 2007) Submission from Karen Buck (PW.New.PW9.9.3)

PW9.10	ACTION	Amended		Ward: 30
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### **Unwin Avenue Bridge Replacement**

(October 2, 2007) E-mail from Councillor Adam Giambrone, Ward 18, Davenport.

#### **Decision Advice and Other Information**

The Public Works and Infrastructure Committee requested the Executive Director, Technical Services and the General Manager, Transportation Services to meet with Councillor Paula Fletcher, Ward 30, Toronto-Danforth, regarding the Unwin Avenue Bridge Replacement project, and report, if necessary, to the next meeting of the Public Works and Infrastructure Committee to be held on October 31, 2007.

#### **Summary**

Requesting that staff report back to the Public Works and Infrastructure Committee on the Unwin Avenue Bridge Replacement project.

#### **Meeting Sessions**

Session Date	Session Type	Start Time	End Time	Public or Closed Session
2007-10-03	Morning	9:45 AM	11:50 AM	Public
2007-10-03	Morning	11:55 AM	12:35 PM	Public
2007-10-03	Afternoon	1:45 PM	4:55 PM	Public