



Public Works Committee

REPORT 11-013

9:30 a.m.

Monday, November 7, 2011

Council Chambers

Hamilton City Hall

71 Main Street West

Present: Councillor R. Powers (Chair), B. McHattie (Vice-Chair)
Councillors C. Collins, S. Merulla, L. Ferguson, T. Jackson,
S. Duvall, R. Pasuta, T. Whitehead

Also Present: G. Davis, General Manager Public Works
J. Mater, Senior Director of Transportation, Energy & Facilities
B. Goodger, Senior Director of Operations & Waste Management
G. Moore, Director of Engineering Services
G. Lupton, Director of Energy, Fleet, Facilities & Traffic
R. Norman, Acting Director, Environment and Sustainable
Infrastructure
A. Kirkpatrick, Manager, Transportation Planning
B. Farkas, Manager, Economic Development and Planning,
Real Estate
G. Ghbn, Senior Project Manager Water/ Wastewater
Planning
A. Grozelle, Legislative Assistant, City Clerk's Office

THE PUBLIC WORKS COMMITTEE PRESENTS REPORT 11-013 AND RESPECTFULLY RECOMMENDS:

1. Quick-Wins Projects Status (PW11079) (City Wide)(Item 5.2)

That Report PW11079 respecting, Quick-Wins Projects Status, be received.

2. Hamilton Cycling Committee Report 11-001 (Item 8.1)

That the amended letter from the Hamilton Cycling Committee to the Ontario Ministry of Transportation (MTO) respecting, recommendations for improvements to the Official MTO Driver's Handbook and the Ontario Highway Traffic Act, attached to Report 11-001 as Appendix A, be sent to the (MTO) for their consideration.

3. Queen Elizabeth Way Beach Boulevard Flood Protection (PW06118a) - (City Wide) (City Wide) (Item 8.2)

- (a) That the budget for QEW Beach Blvd Flood Protection (Capital Project ID 5180662640) be increased by \$6,570,000 from \$5,600,000 to \$12,170,000 and that approximately 43% of this increase (\$2,825,000) which represents the City's share, be funded from the surplus available from favourable tenders within the 2011 Storm Relief Program (Capital Budget Project ID 5181172290) and that the balance be funded by the Ministry of Transportation per the attached agreement to Report PW06188(a);
- (b) That the PO #32847 to McCormick Rankin for the engineering and design of the project be increase by \$250,000;
- (c) That the appropriation adjustments as outlined in Appendix B to Report 11-013 be approved;
- (d) That the General Manager of Public Works be authorized and directed to proceed with the tender and award contract no. PW-11- 54(s) to Alberici Constructors Ltd. in the amount of \$8,649,526.73 as identified on Appendix B to Report 11-013.

4. Fessenden Neighbourhood Stormwater Project Municipal Class EA - (PW11080) - (Ward 8) (Item 12.1)

- (a) That, upon completion, the General Manager, Public Works Department, be authorized and directed to file the Fessenden Neighbourhood Stormwater Class Environmental Assessment (EA) Project File Report with the Municipal Clerk for a minimum thirty (30) day public review period;
- (b) That upon completion of the minimum thirty (30) day public review period and subject to capital budget approval, the General Manager, Public Works Department, be authorized and directed to proceed with detailed design and implementation of the preferred solution of the Class Environmental Assessment for the above study provided that no Part 2 Order by the Minister of the Environment is received;
- (c) That, subject to comments received during the public review period, the General Manager, Public Works report to the Public Works Committee respecting issues that are controversial or cannot be resolved for the above project;
- (d) That upon completion of the Class EA process, the Manager, Real Estate and Property Management, be directed to enter into negotiations with the Hamilton Wentworth District School Board (HWDSB) for their land located at the southwest corner of Wendover Drive and Lynwood Road now in the City of Hamilton, comprising an area of approximately 3.7 acres;

- (e) That the acquisition of required lands for the stormwater facility be funded from the 2012 and 2013 capital budget, subject to approval of the 2012 and 2013 Capital Budget;
- (f) That the financial details of the land acquisition outlined in Appendix "C" to Report PW11080 remain confidential until completion of the transaction and that the balance of the report not be released as a public document.

5. Installation of a full traffic signal at the intersection of John Street South and Augusta (Ward 2) (Item 9.1)

That the installation of a full traffic signal at the intersection of John Street South and Augusta Street be approved at an estimated cost of \$150,000 and be funded from the approved 2011 Unallocated Capital Reserve (Account 108020).

6. Installation of all-way stop controls on Hillcrest Avenue (Added Item 9.2)

That all-way stop controls be installed at the following intersections, and that the appropriate amending By-law be passed:

- (a) Hillcrest Avenue and Beulah Avenue
- (b) Hillcrest Avenue and Hyde Park Drive
- (c) Hillcrest Avenue Flatt Avenue.

7. Request for Installation of a pedestrian-activated signal at the location of Mohawk Road West in the area of Ashton Road and the People's Church (Item 10.2)

- (a) That a pedestrian-activated signal be installed at the location of Mohawk Road West in the area of Ashton Road and the People's Church;
- (b) That staff be directed to investigate funding the estimated \$80,000 cost of this project out of Ward 8 area rating derived funding.

FOR THE INFORMATION OF COUNCIL:

(a) CHANGES TO THE AGENDA (Item 1)

The Committee Clerk advised of the following changes to the agenda:

NOTICES OF MOTION

- (i) Notice of Motion respecting Installation of all-way stop controls on Hillcrest Avenue (Item 10.1)

- (ii) Notice of Motion respecting the Installation of a pedestrian-activated signal at the location of Mohawk Road West at Ashton adjacent to People's Church (Item 10.2)

GENERAL INFORMATION/OTHER BUSINESS

- (i) Outstanding Business List revised Due Dates be approved (Item 11.1)
 - (i) Item C - Installation Policy for Intersection and Mid-Block Pedestrian Signals
Due Date: December 12, 2011
Proposed New Due Date: Q1 2012
 - (ii) Item D - Litter, Illegal Dumping and Security Issues affecting Municipal Properties abutting Railways
Due Date: November 21, 2011
Proposed New Due Date: December 5, 2011

On a Motion the November 7, 2011 Public Works Committee Agenda was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

None

(c) APPROVAL OF MINUTES (Item 3)

(i) October 17, 2011 (Item 3.1)

The Minutes of the October 17, 2011 Public Works Committee were approved, as presented.

(d) CONSENT ITEMS (Item 5)

(i) Hamilton Cycling Committee – August 3, 2011 (Item 5.1.1)

The Minutes of the Hamilton Cycling Committee meeting dated August 3, 2011 were received for information.

(ii) Solid Waste Management Master Plan Steering Committee – September 16, 2011 (Item 5.1.2)

The Minutes of the Solid Waste Management Master Plan Steering Committee meeting dated September 16, 2011 were received for information.

(e) DELEGATIONS/PUBLIC HEARINGS (Item 6)**(i) Dr. Pamela Blais of Metropole Consultants, respecting urban sprawl and its relation to public policy and service pricing. (Item 6.1)**

Dr. Blais addressed the Committee with the aid of a PowerPoint Presentation. A copy of the presentation has been included in the official record.

Dr. Blais discussed urban form and indicated that uniformity in development and service charges has created development patterns that cause inefficient land-use. She indicated that prices should be varied and based upon the costs, density, use and other factors. Dr. Blais outlined the problems with uniformities in development charges and described in detail the inequities that this can cause.

The delegation by Dr. Pamela Blais of Metropole Consultants, respecting urban sprawl and its relation to public policy and service pricing, was received.

(f) PRESENTATIONS (Item 7)**(i) Katie Mills, Chief Financial Officer, Hamilton Utilities Corporation regarding partnerships and collaborations with the City of Hamilton (Item 7.1)**

Katie Mills, Chief Financial Officer, Hamilton Utilities Corporation, addressed the Committee with the aid of a Power Point Presentation. A copy of this presentation has been included in the official record.

Ms. Mills discussed the collaborations between the Hamilton Utilities Corporation and the City of Hamilton. She provided an overview of the partnerships, efficiencies and successes and discussed some of the upcoming projects and future expansion plans.

The presentation by Katie Mills, Chief Financial Officer, Hamilton Utilities Corporation, was received

(g) DISCUSSION ITEMS (Item 8)**(i) Hamilton Cycling Committee Report 11-001 (Item 8.1)**

Chair Powers indicated that under the recommended Highway Traffic Act Amendments the letter should reference the contribution of Dr. Lucas, the Regional Coroner.

On a Motion the issue of “Idaho stop” style traffic controls be removed from the letter and referred to the Hamilton Cycling Committee for further consideration.

The Main Motion as Amended **CARRIED** on the following Recorded Vote:

Yeas: B, McHattie, S. Merulla, S. Duvall, R. Pasuta, T. Whitehead
R. Powers, T. Jackson
Total: 6
Nays: L. Ferguson – Opposed to items 1 and 4 under the heading
“The Ontario Highway Traffic Act”
Total: 2
Absent: C. Collins
Total: 1

For disposition on this item refer to Item 2.

(h) MOTIONS (Item 9)

(i) Installation of a full traffic signal at the intersection of John Street South and Augusta (Ward 2) (Item 9.1)

For disposition on this item refer to Item 5.

(ii) Installation of all-way stop controls on Hillcrest Avenue (Added Item 9.2)

For disposition on this item refer to Item 6.

(iii) Request for Installation of a pedestrian-activated signal at the location of Mohawk Road West at Ashton adjacent to People’s Church (Added Item 9.3)

For disposition on this item refer to Item 7.

(i) NOTICES OF MOTION (Item 10)

Councillor McHattie introduced the following Notice of Motion

(i) Installation of all-way stop controls on Hillcrest Avenue (Item 10.1)

Whereas, citizens living in the area of Hillcrest Avenue have requested additional stop signs, particularly given all of the parks in the area, with children playing.

That all-way stop controls be installed at the following intersections, and that the appropriate amending By-law be passed:

- a) Hillcrest Avenue and Beulah Avenue
- b) Hillcrest Avenue and Hyde Park Drive
- c) Hillcrest Avenue Flatt Avenue.

The rules of order were waived to allow the consideration of a Motion respecting the Installation of all-way stop controls on Hillcrest Avenue.

Councillor Whitehead introduced the following Notice of Motion

(ii) Request for Installation of a pedestrian-activated signal at the location of Mohawk Road West at Ashton adjacent to People's Church (Item 10.2)

- (a) That a pedestrian-activated signal be installed at the location of Mohawk Road West and Ashton in the area of the People's Church;
- (b) That staff be directed to investigate funding the estimated \$80,000 cost of this project out of Ward 8 area rating derived funding.

The rules of order were waived to allow the consideration of a Motion respecting the installation of a pedestrian-activated signal at the location of Mohawk Road West at Ashton adjacent to People's Church.

(j) GENERAL INFORMATION/OTHER BUSINESS (Item 11)

(i) Outstanding Business List (Item 11.1)

- (a) On a Motion the following revised Due Dates were approved.
 - (i) Item C - Installation Policy for Intersection and Mid-Block Pedestrian Signals
Due Date: December 12, 2011
Proposed New Due Date: Q1 2012
 - (ii) Item D - Litter, Illegal Dumping and Security Issues affecting Municipal Properties abutting Railways
Due Date: November 21, 2011
Proposed New Due Date: December 5, 2011

(k) PRIVATE AND CONFIDENTIAL (Item 12)

(i) Fessenden Neighbourhood Stormwater Project Municipal Class EA (PW11080) (Ward 8) (Item 12.1)

The Committee move into Closed Session at 11:06 a.m. to consider a matter, regarding Report PW11080, Fessenden Neighbourhood Stormwater Project Municipal Class EA, pursuant to Section 239 (c) of the Municipal Act and Section 8.1 (c) of the Procedural By-law as the subject matter concerns a proposed or pending acquisition or disposition of land by the municipality or local board.

The Committee reconvened in Open Session at 11:13 a.m. and delivered their recommendations

For disposition on this item refer to Item 4.

(l) ADJOURNMENT

There being no further business, the Public Works Committee adjourned at 11:15 a.m.

Respectfully submitted,

Councillor R. Powers, Chair
Public Works Committee

Andy Grozelle
Legislative Assistant
November 7, 2011

November 17, 2011

Ministry of Transportation of Ontario
Road User Safety Division
Alistair.Crocker@ontario.ca

Attn: Alistair Crocker

The Hamilton Cycling Committee (HCyC) recently conducted a review of provincial documents governing transportation. The purpose of this review was to highlight sections of these documents that make reference to or affect cyclists, and to propose changes that clarify the roles and responsibilities of all road users in sharing the road. Two documents were included in this review: (1) The Official MTO Driver's Handbook and (2) the Ontario Highway Traffic Act (HTA). Suggested changes have been outlined below for each of these documents. This review concludes with a number of general suggestions developed by the HCyC that do not pertain directly to the two documents reviewed.

The HCyC is an advisory committee to the City of Hamilton. The committee is comprised of citizens, including recreational and utilitarian cyclists. The committee was established to serve as a liaison between cyclists and the City. It operates under the mandate of promoting cycling, educating cyclists and motorists, and monitoring City investment in cycling.

The Official MTO Driver's Handbook

The Official MTO Driver's Handbook, is read by anyone planning to obtain a driver's license in Ontario. As such, it is important that the roles and responsibilities of all road users be clearly outlined throughout this document. The handbook is an opportunity to educate prospective drivers on how to interact with cyclists on the road, recognize and promote cycling as a viable mode of transportation, as well as an opportunity to educate readers who are cyclists on their rights and responsibilities as cyclists. The handbook is currently scheduled for an update by the Ministry of Transportation (MTO). Throughout this review, we will refer to this document as the "Handbook".

The HCyC has several specific suggestions to improve the cycling content of the Handbook;

1. Revise imagery to show more cyclists as part of roadway traffic;
2. Include information on preferred interactions amongst motor vehicles, e- and hybrid vehicles, pilot vehicles, cyclists, pedestrians and public transit;
3. Include specific strategies to instruct operators of large vehicles (trucks, camper trailers, etc.) how to more safely share the road with cyclists;
4. Include images, descriptions, and applicable rules for all roadway facilities (including signage and street markings) related to cycling. These include:
 - a. Bike lanes
 - b. Contra-flow bike lanes
 - c. Sharrows
 - d. Bicycle actuated traffic signals
 - e. Bike boxes
 - f. Off-road cycling/pedestrian facilities.

Driver Training Programs and Testing

The HCyC has some proposed strategies to enhance driver training and education. We suggest that the MTO:

1. Establish or enhance content for cyclists and road users;
2. Include content for all road users in all Driver Training and Driver Instructor Training programs;
3. Incorporate CAN-BIKE training information that is not currently available to new drivers of motor vehicles;
4. Develop comprehensive e-training modules to complement 2.) and 3.) above;
5. Develop testing protocol to include:
 - a. interaction amongst all categories of road users,
 - b. the rights of all road users, and
 - c. the concept of sharing the road;
6. Review all bicycle references in the Handbook to ensure content is consistent with existing bicycle training programs.

The Ontario Highway Traffic Act (HTA)

The Ontario Highway Traffic Act (HTA) applies to the variety of transportation devices on the roadways of Ontario, including motor vehicles, pedestrians, and cyclists. The HCyC suggests three edits to the HTA and in doing so recognizes the contributions of the Regional Coroner, Dr. William Lucas:

1. The addition of legislation requiring a minimum noise level for e-bikes, e-cars, and hybrid vehicles to make these vehicles more readily noticed by cyclists and pedestrians – including the visually impaired;
2. The addition of further lighting requirements for cyclists. Specifically, require a flashing or solid red light at the back of all bicycles (replacing the current requirement of a red rear-reflector) and clarify the current requirement of a white headlight to be either flashing (possibly more visible to motorists) or solid (not flashing);
3. The addition of roundabouts information as elaborated on as follows:

The Ministry of Transportation has a helpful summary of identified issues regarding roundabouts in a question and answer format. However the HTA is silent on the subject of roundabouts. The suggestion above requests that roundabouts be included in the HTA. In order to have some uniformity in Ontario, consideration should also be given to include Design Standards and a Policy framework for roundabouts and the following are listed for consideration:

General Design Standards:

- types of round-a-bouts
- approach and circulatory speeds
- design(s) for different size vehicles (such as the use of truck aprons)
- pedestrian and bicycle use
- landscaping (for centre islands)

Terminology/Design Elements

- travel path for multi-lane and single-lane roundabouts
- typical signage
- typical markings
- pedestrian and bicycle details such as paths and ramps
- splitter island

Policy Considerations:

Document an overview of roundabouts regarding performance characteristics and justification including: safety, travel delay, environmental factors, traffic calming, and aesthetics. All of this content is suggested to be mindful of all modes of transport travelling through roundabouts.

Additional Suggestions

The HCyC has also developed a number of general suggestions that are not directly related to the documents discussed above.

We suggest that the MTO develop a program to inform the public about the rules of operating new alternative forms of vehicles. This includes recently approved vehicles (eg. e-bikes approved Oct 3, 2009) and pilot vehicles such as the Segway Human Transporter/Personal Transporter (on-going pilot beginning Oct 2006 to Oct 2013).

Secondly, two proposed laws died with the 2011 summer recess of the Legislature thus we make the following requests. We request that legislation requiring motorists to provide a minimum of 1 to 1.5 metres (three to five feet in U.S. legislation already passed in 19 states) when passing cyclists be added to the HTA; and also we request that legislation be enacted directing the MTO to include the paving of shoulders in the scope of roadwork as per the details in the recently proposed legislation.

Our last suggestion pertains to collision data. We suggest that collision data be captured in a central database for the province. This will ensure that collision data collection is standardized across the province and it will facilitate co-ordination and data sharing amongst municipalities and other agencies. The following information is suggested to be captured and coded for all collisions:

- Age of person(s) involved
- Injury to person(s) (minor, major, fatal)
- Location of collision (intersection with stop sign, intersection with traffic signal, crosswalk, roundabout, mid-block, etc.)
- Weather conditions
- Road surface condition (dry, wet, snow, ice, etc.)
- Safety equipment used/worn by person(s) (helmet, seat belt, airbags, etc.)
- Condition of person(s) involved in the collision (fatigue, impaired, etc.)

A central database and standardized collision data collection will facilitate data analysis and the development of locally focused strategies for reducing collisions. The HCyC suggests that this information be used to publish regular road safety reports that highlight common types of collisions and how to prevent them. This information can also be used to guide improvements to infrastructure, identify other collision reduction measures, and to develop educational messages for all road users.

We thank you for this opportunity to convey this review to the MTO. Please let us know how you plan to address these suggestions and an estimated timeline for implementation. Regarding any changes to provincial documents, we suggest the review process include public consultation through which Ontario residents could comment, and please include the Hamilton Cycling Committee on your contact list as a party to keep informed of the process and to provide feedback on proposed changes.

Regards,

Andrea Kita
Chair of the Hamilton Cycling Committee

Councillor Russ Powers
Chair Public Works Committee

Copy to:

Mayor Bob Bratina, City of Hamilton
Gerry Davis, CMA, General Manager of Public Works, City of Hamilton
Daryl Bender, Public Works, Staff Liaison Hamilton Cycling Committee

PUBLIC WORKS
Schedule A - 2011 Capital Budget Appropriation Adjustments

Project Number	Project Description	GROSS COST			REVENUE			NET FINANCING REQUIRED			REASON FOR ADJUSTMENT	
		Budget	Increase/ (Decrease)	Revised	Budget	%	Increase/ (Decrease)	Revised	Budget	Increase/ (Decrease)		Revised
5180662640	QEW Beach Blvd Flood Protection	5,600,000	6,570,000	12,170,000	0		0	0	5,600,000	6,570,000	12,170,000	Additional funds required to award contract.
5181172290	2011 Storm Relief Program	3,480,000	-425,000	3,055,000	0		0	0	3,480,000	-425,000	3,055,000	Surplus Available due to favourable tenders.
5181172295	2011 SERG - Storm Relief Program	8,050,000	-2,400,000	5,650,000	0		0	0	8,050,000	-2,400,000	5,650,000	Surplus Available due to favourable tenders.
TOTAL INCREASE/(DECREASE)		17,130,000*	3,745,000	20,875,000	0		0	0	17,130,000	3,745,000	20,875,000	

* The difference, \$3,745,000 represents the Ministry of Transportation's share as per the attached agreement.