



**City of Hamilton**  
**PUBLIC WORKS COMMITTEE**  
**AGENDA**

**Meeting #:** 21-009  
**Date:** June 14, 2021  
**Time:** 1:30 p.m.  
**Location:** Due to the COVID-19 and the Closure of City Hall (CC)

All electronic meetings can be viewed at:

City's Website:  
<https://www.hamilton.ca/council-committee/council-committee-meetings/meetings-and-agendas>

City's YouTube Channel:  
<https://www.youtube.com/user/InsideCityofHamilton> or Cable 14

Alicia Davenport, Legislative Coordinator (905) 546-2424 ext. 2729

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13.1. Amendments to the Outstanding Business List

13.1.a. Items Considered Complete and Needing to be Removed:

13.1.a.a. Enhanced Inspections and Monitoring - Hamilton  
Water and Wastewater

Addressed as Item 8.1 on today's agenda - Report  
PW21019  
Item on OBL: ABB

13.1.b. Items Requiring a New Due Date:

13.1.b.a. Stormwater Gap Evaluation

Item on OBL: ABM  
Current Due Date: July 7, 2021  
Proposed New Due Date: September 10, 2021

14. PRIVATE AND CONFIDENTIAL

15. ADJOURNMENT



## PUBLIC WORKS COMMITTEE MINUTES 21-008

1:30 p.m.  
Monday, May 31, 2021  
Council Chambers  
Hamilton City Hall  
71 Main Street West

**Present:** Councillors A. VanderBeek (Chair), N. Nann (Vice-Chair), C. Collins, J.P. Danko, J. Farr, L. Ferguson, T. Jackson, S. Merulla, E. Pauls, and M. Pearson

**Absent with Regrets:** Councillor T. Whitehead – Leave of Absence

### THE FOLLOWING ITEMS WERE REFERRED TO COUNCIL FOR CONSIDERATION:

1. **Green Fleet Strategy Report & Action Plan (PW03147(e)) (City Wide) (Item 8.1)**

**(Nann/Ferguson)**

  - (a) That the Green Fleet Strategy Report as identified in Appendix “A” attached to Report PW03147(e) be received;
  - (b) That staff be directed to proceed with the Green Fleet Action Plan and implement the recommendations as outlined in Appendix “B” to Report PW03147(e);
  - (c) That funding from the Unallocated Capital Reserve to support Annual Capital requests as outlined in Appendix “D” to Report PW03147(e) to fund the implementation of the Green Fleet Strategy Action Plan that will realize 89 light duty fleet vehicles replaced by electrified vehicles be approved;
  - (d) That a new reserve fund be established to fund charging equipment replacement as required and will be funded through usage charges to be established by Fleet;
  - (e) That staff provide annual Communication Updates (accompanied with the Annual Energy Report) on progress of executing the Green Fleet Action

Plan recommendations and impacts to Greenhouse Gases (GHG's) resulting from implemented initiatives;

- (f) That the General Manager of Public Works, or their designate, be authorized and directed to submit and sign an application with supporting documentation including an application attestation, on behalf of the City of Hamilton, to Natural Resources Canada (NRCan), in accordance with the terms and conditions associated with the Zero Emission Vehicle Infrastructure Program by June 22, 2021;
- (g) That the General Manager of Finance and Corporate Services, be authorized and directed to confirm the City of Hamilton's funding contribution in the amount of \$300,000 towards the EV Charging Station Infrastructure Project and sign a Proof of Funding Form to that effect, in accordance with the terms and conditions associated with the Zero Emission Vehicle Infrastructure Program;
- (h) That should the City's submission under the Zero Emission Vehicle Infrastructure Program be approved, staff be authorized and directed to tender and implement the EV Charging Station Infrastructure Project upon execution of a contribution agreement between the City of Hamilton and Her Majesty the Queen in right of Canada as represented by the Minister of Natural Resources Canada (NRCan) to receive funding from the Zero Emission Vehicle Infrastructure Program;
- (i) That the City Solicitor be authorized and directed to prepare any necessary by-laws for Council approval, for the purpose of giving effect to the City's acceptance of funding from the Zero Emission Vehicle Infrastructure Program for the EV Charging Station Infrastructure Project; and,
- (j) That the Mayor and City Clerk be authorized to execute all necessary documentation, including Contribution Agreements to receive funding from National Resources Canada (NRCan) under the Zero Emission Vehicle Infrastructure Program with content satisfactory to the General Manager, Public Works, and in a form satisfactory to the City Solicitor.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek

NOT PRESENT - Ward 14 Councillor Terry Whitehead

**2. Free-Floating Carshare Pilot Program (PED20168(a)) (Wards 1, 2, and 3) (Item 10.1)**

**(Farr/Nann)**

- (a) That the City of Hamilton implement a pilot permit program to allow for free-floating carshare parking in Wards 1, 2, and 3 for an 18-month period and report back to the Public Works Committee prior to the end of the pilot;
- (b) That the draft Amending By-law for On-Street Parking By-law 01-218 and Administrative Penalties By-law 17-225, attached as Appendix "A" and Appendix "B" to Report PED20168(a), which have been prepared in a form satisfactory to the City Solicitor, be approved; and,
- (c) That a permit fee of \$270.78 plus HST per free-floating carshare permit be included in the City's User Fees and Charges By-law under the heading "Division Parking and School Crossing - Hamilton Municipal Parking System" effective September 1, 2021.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**3. Capital Lifecycle Renewal – Westoby Ice Plant (Emergency) (PW21035) (Ward 13) (Item 10.2)**

**(Pearson/Jackson)**

That the design, supply, installation and warranty of the Westoby Arena Ice Plant replacement, located at 70 Olympic Drive, Dundas be funded from the Unallocated Capital Levy Reserve #108020 at an amount not to exceed \$700K.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins

YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

#### 4. Private Tree Giveaway (Ward 6) (Item 11.1)

##### (Jackson/Collins)

WHEREAS, the City of Hamilton has declared a climate emergency;

WHEREAS, increasing the urban tree canopy by providing trees for planting on private property has many environmental benefits to the residents of Ward 6 and the wider City; and,

WHEREAS, private tree giveaways are not currently funded under existing tree planting programs;

THEREFORE, BE IT RESOLVED:

- (a) That the supply and distribution of approximately 100 approximately 1.5 metre tall native trees, at an upset limit cost of \$5,000, be funded from the Ward 6 Capital Discretionary Account; and,
- (b) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

#### 5. Installation of Traffic Calming Measures at Various Locations throughout Ward 6 in Phase II (Item 11.2)

##### (Jackson/Collins)

WHEREAS, residents are requesting the installation of speed cushions on various roadways throughout Ward 6, via petitions and neighbour engagement, to address roadway safety concerns as a result of speeding and cut-through traffic;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to install traffic calming measures on the following roadways as part of the 2021 Traffic Calming program:
  - (i) Birchview Drive between Beryl Street and Limeridge Road East, Hamilton (2 speed cushions);
  - (ii) Gatineau Drive between Summer Place to Rideau Crescent, Hamilton (3 speed cushions);
  - (iii) Rideau Crescent between Moxley Drive to Gatineau Drive, Hamilton (2 speed cushions);
  - (iv) Larch Street between Moxley Drive and Billington Crescent, Hamilton (3 speed cushions);
  - (v) Princeton Drive between Fennell Avenue East and Sherwood Rise, Hamilton (1 speed cushion);
  - (vi) Moxley Drive between Mohawk Road East and Anson Avenue, Hamilton (4 speed cushions);
- (b) That all costs associated with the installation of traffic calming measures at the identified locations throughout Ward 6 be funded from the Ward 6 Minor Maintenance Account (4031911606) at an upset limit, including contingency, not to exceed \$84,000; and,
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek

NOT PRESENT - Ward 14 Councillor Terry Whitehead

**FOR INFORMATION:**

**(a) CHANGES TO THE AGENDA (Item 2)**

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

**6. DELEGATION REQUESTS**

- 6.2 Marco Viviani, Communauto, respecting Item 10.1 - Free-Floating Carshare Pilot Program (PED20168(a)) (for today's meeting)

**9. PUBLIC HEARINGS / DELEGATIONS**

- 9.1 Proposed Permanent Closure and Sale of a Portion of Road Allowance Abutting 38 Strachan Street West, Hamilton (PW21034) (Ward 2)

(a) Added Registered Speaker:

- (i) Herman Turkstra, North End Neighbourhood Association

**(Farr/Ferguson)**

That the agenda for the May 31, 2021 Public Works Committee meeting be approved, as amended.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(b) DECLARATIONS OF INTEREST (Item 3)**

There were no declarations of interest.

**(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 4)****(i) May 17, 2021 (Item 4.1)****(Nann/Pauls)**

That the Minutes of the May 17, 2021 meeting of the Public Works Committee be approved, as presented.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(d) DELEGATION REQUESTS (Item 6)****(Farr/Collins)**

(a) That the following delegation requests be approved for today's meeting:

- (i) Bianca Caramento, Bay Area Climate Change Council (BACCC), respecting Item 8.1 - Green Fleet Strategy Report & Action Plan (PW03147(e)) (Item 6.1)
- (ii) Marco Viviani, Communauto, respecting Item 10.1 - Free-Floating Carshare Pilot Program (PED20168(a)) (Added Item 6.2)

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

For further disposition of this matter, refer to Items (g)(ii) and (g)(iii).

**(e) CONSENT ITEMS (Item 7)**

- (i) Waste Management Advisory Committee Meeting Minutes - March 9, 2021 (Item 7.1)**

**(Danko/Nann)**

That the Minutes of the March 9, 2021 meeting of the Waste Management Advisory Committee, be received.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(f) STAFF PRESENTATIONS (Item 8)**

- (i) Green Fleet Strategy Report & Action Plan (PW03147(e)) (City Wide) (Item 8.1)**

Tom Kagianis, Manager, Fleet Services, addressed Committee respecting Report PW03147(e), Green Fleet Strategy Report & Action Plan, with the aid of a presentation.

**(Pearson/Ferguson)**

That the presentation, respecting Report PW03147(e), Green Fleet Strategy Report & Action Plan, be received.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Ward 10 Councillor Maria Pearson

**(Farr/Pearson)**

That consideration of Report PW03147(e), respecting the Green Fleet Strategy Report & Action Plan, be DEFERRED until after the Public Hearing and Delegations have been heard.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Ward 10 Councillor Maria Pearson

For further disposition of this matter, refer to Item 1.

**(g) PUBLIC HEARINGS / DELEGATIONS (Item 9)****(i) Proposed Permanent Closure and Sale of a Portion of Road Allowance Abutting 38 Strachan Street West, Hamilton (PW21034) (Ward 2) (Item 9.1)**

Councillor VanderBeek advised that notice of the Proposed Permanent Closure and Sale of a Portion of Road Allowance Abutting 38 Strachan Street West, Hamilton (PW21034) (Ward 2) was given as required under the City's By-law #14-204 – the Sale of Land Policy By-law.

The Committee Clerk advised that there was one registered speaker.

**Registered Speaker:****1. Herman Turkstra, North End Neighbourhood Association**

Herman Turkstra, North End Neighbourhood Association, addressed the Committee with concerns respecting the Proposed Permanent Closure and Sale of a Portion of Road Allowance Abutting 38 Strachan Street West, Hamilton (PW21034) (Ward 2).

**(Farr/Jackson)**

That the registered delegation be received.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr

YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(Ferguson/Farr)**

That the public meeting be closed.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(Farr/Jackson)**

That Report PW21034, respecting the Proposed Permanent Closure and Sale of a Portion of Road Allowance Abutting 38 Strachan Street West, Hamilton, be DEFERRED to the July 7, 2021 Public Works Committee meeting.

**Result: Motion CARRIED by a vote of 9 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 NOT PRESENT - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(ii) Bianca Caramento, Bay Area Climate Change Council (BACCC), respecting Item 8.1 - Green Fleet Strategy Report & Action Plan (PW03147(e)) (Added Item 9.2)**

Bianca Caramento, Bay Area Climate Change Council (BACCC), addressed the Committee respecting Item 8.1 - Green Fleet Strategy Report & Action Plan (PW03147(e)).

**(Jackson/Ferguson)**

That the delegation from Bianca Caramento, Bay Area Climate Change Council (BACCC), respecting Item 8.1 - Green Fleet Strategy Report & Action Plan (PW03147(e)), be received.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

For further disposition of this matter, refer to Item 1.

**(iii) Marco Viviani, Communauto, respecting Item 10.1 - Free-Floating Carshare Pilot Program (PED20168(a)) (Added Item 9.3)**

Marco Viviani, Communauto, addressed the Committee respecting Item 10.1 - Free-Floating Carshare Pilot Program (PED20168(a)).

**(Pearson/Ferguson)**

That the delegation from Marco Viviani, Communauto, respecting Item 10.1 - Free-Floating Carshare Pilot Program (PED20168(a)), be received.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson

YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

For further disposition of this matter, refer to Item 2.

**(h) GENERAL INFORMATION / OTHER BUSINESS (Item 13)**

**(i) Amendments to the Outstanding Business List (Item 13.1)**

**(Pearson/Nann)**

That the following amendments to the Public Works Committee's Outstanding Business List, be approved:

- (a) Items Requiring a New Due Date:
- (i) Redevelopment / Reuse of the former King George School Site, at 77 Gage Avenue North  
 Item on OBL: V  
 Current Due Date: September 20, 2021  
 Proposed New Due Date: December 6, 2021
  - (ii) Municipal Class Environmental Assessment and Conceptual Design of Ancaster Elevated Water Reservoir  
 Item on OBL: AAP  
 Current Due Date: June 14, 2021  
 Proposed New Due Date: August 11, 2021
  - (iii) COVID-19 Recovery Phase Mobility Plan  
 Item on OBL: ABE  
 Current Due Date: June 14, 2021  
 Proposed New Due Date: July 7, 2021
  - (iv) Funding Options for a 5 Year and 10 Year Lead Water Service Line Replacement Plan  
 Item on OBL: ABJ  
 Current Due Date: June 14, 2021  
 Proposed New Due Date: August 11, 2021

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson

YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(i) PRIVATE AND CONFIDENTIAL (Item 14)**

The Committee deemed that a Closed Session discussion of Item 14.1 was not required, and approved the following in Open Session:

**(i) Closed Session Minutes – May 17, 2021 (Item 14.1)****(Danko/Merulla)**

- (a) That the Closed Session Minutes of the May 17, 2021 Public Works Committee meeting, be approved, as presented; and,
- (b) That the Closed Session Minutes of the May 17, 2021 Public Works Committee remain confidential.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson  
 YES - Chair - Ward 13 Councillor Arlene VanderBeek  
 NOT PRESENT - Ward 14 Councillor Terry Whitehead

**(j) ADJOURNMENT (Item 15)****(Pearson/Ferguson)**

That there being no further business, the Public Works Committee be adjourned at 3:05 p.m.

**Result: Motion CARRIED by a vote of 10 to 0, as follows:**

YES - Ward 2 Councillor Jason Farr  
 YES - Vice Chair - Ward 3 Councillor Nrinder Nann  
 YES - Ward 4 Councillor Sam Merulla  
 YES - Ward 5 Councillor Chad Collins  
 YES - Ward 6 Councillor Tom Jackson  
 YES - Ward 7 Councillor Esther Pauls  
 YES - Ward 8 Councillor John-Paul Danko  
 YES - Ward 10 Councillor Maria Pearson  
 YES - Ward 12 Councillor Lloyd Ferguson

YES - Chair - Ward 13 Councillor Arlene VanderBeek  
NOT PRESENT - Ward 14 Councillor Terry Whitehead

Respectfully submitted,

Councillor A. VanderBeek  
Chair, Public Works Committee

Alicia Davenport  
Legislative Coordinator  
Office of the City Clerk

PW21001(c)  
Mike Field, Extension 4576

**INTERSECTION CONTROL LIST**  
**Public Works Committee – June 14, 2021**  
**PUBLIC WORKS DEPARTMENT**  
**Transportation Operations & Maintenance Division**  
**Transportation Operations Section**

**RECOMMENDATION**

That the appropriate By-law be presented to Council to provide traffic control as follows:

Intersection		Stop Control Direction		Class	Comments / Petition	Ward	
Street 1	Street 2	Existing	Requested				
<b>Section “C” Flamborough</b>							
(a)	Harvest Road	Forest Avenue	SB	All	B	AWS conversion during Hwy 8 closure	13
(b)	Harvest Road	Tews Lane	SB	All	B	AWS conversion during Hwy 8 closure	13
<b>Section “D” Glanbrook</b>							
(c)	Idlewilde Lane	Kopperfield Lane	SB	NB/SB	A	Missing stop control, road extension	11
(d)	Idlewilde Lane	Kellogg Avenue	NC	SB	A	Missing stop control, road extension	11
<b>Section “E” Hamilton</b>							
(e)	Wise Crescent	Grenadier Drive (north intersection)	NC	EB	A	Missing stop control	6
<b>Section “F” Stoney Creek</b>							
(f)	Amberwood Street	Canfield Court	NB	All	A	AWS conversion, Cllr approved	9
(g)	Paramount Drive	Kingsview Drive	EB/WB	All	B	AWS conversion through road recon.	9
(h)	Paramount Drive	Audubon Street South	SB	All	B	AWS conversion through road recon.	9

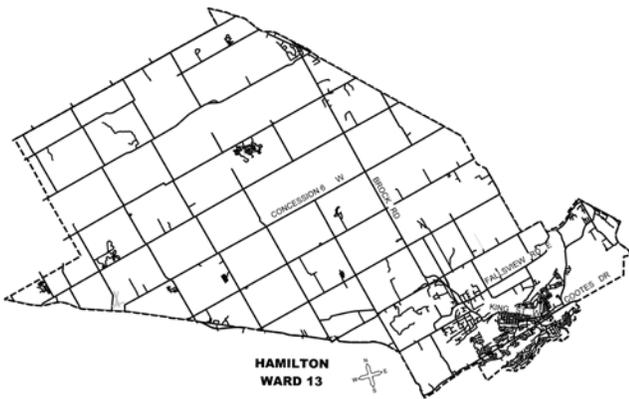
**Legend**

No Control Existing (New Subdivision) - **NC**

Intersection Class: **A** - Local/Local    **B** - Local/Collector    **C** - Collector/Collector



KEY MAP



HAMILTON  
WARD 13

LOCATION PLAN

*PROPOSED STOP CONTROL:*

**Harvest Road at Forest Avenue  
Harvest Road at Tews Lane**

Transportation Operations & Maintenance  
PUBLIC WORKS DEPARTMENT

LEGEND

● EXISTING STOP

● PROPOSED STOP

SCALE  
**NOT TO SCALE**

DATE  
**June 14, 2021**



**KEY MAP**



**LOCATION PLAN**

*PROPOSED STOP CONTROL:*

**Idlewild Lane at Kopperfield Lane  
Idlewild Lane at Kellogg Avenue**

Transportation Operations & Maintenance  
PUBLIC WORKS DEPARTMENT

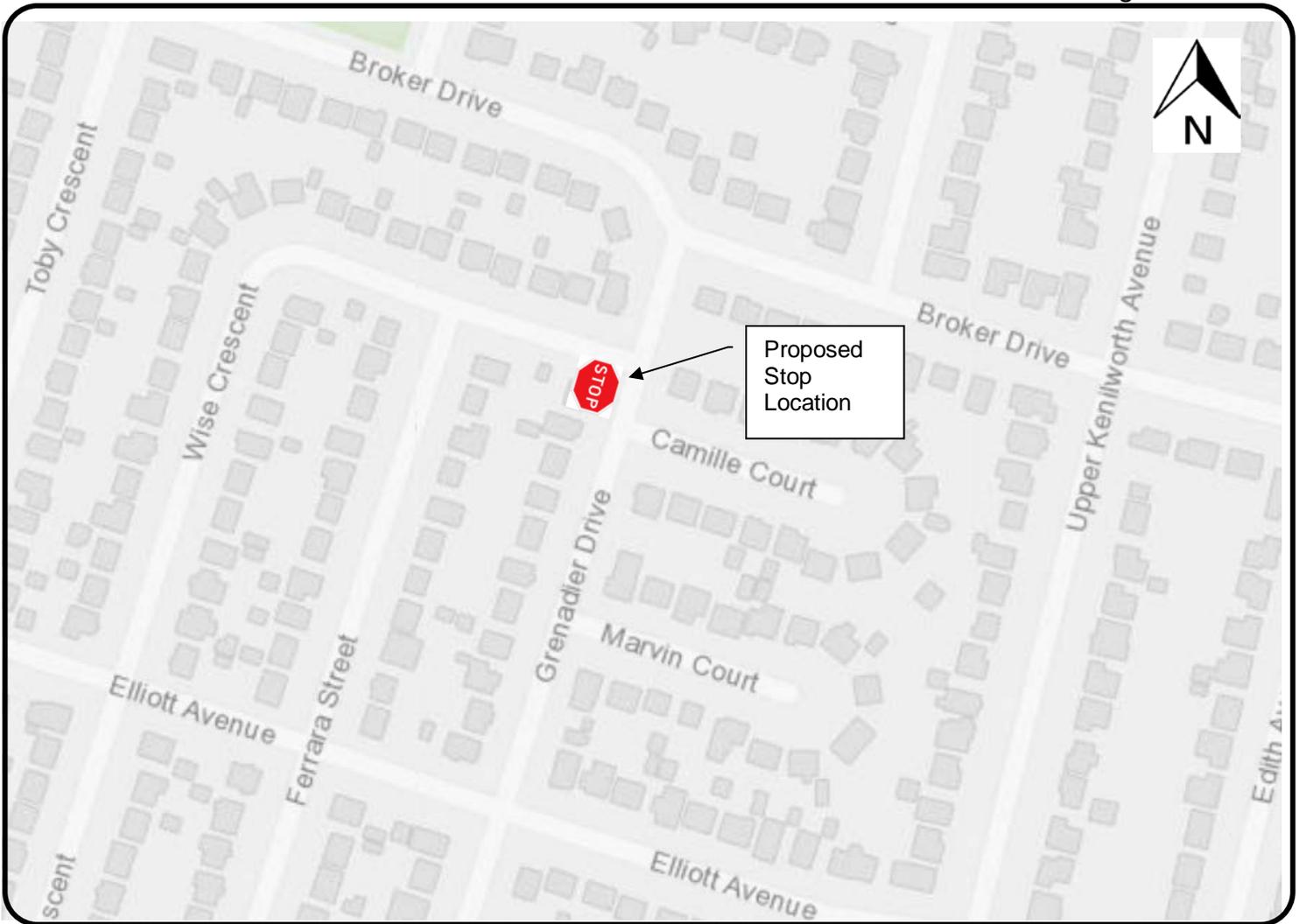
**LEGEND**

● EXISTING STOP

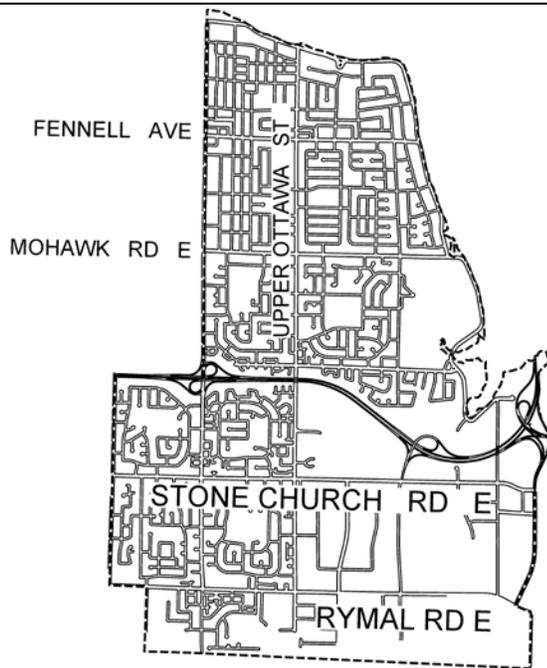
STOP PROPOSED STOP

SCALE  
**NOT TO SCALE**

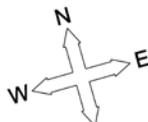
DATE  
**June 14, 2021**



**KEY MAP**



**HAMILTON  
WARD 6**



**LOCATION PLAN**

*PROPOSED STOP CONTROL:*

**Wise Crescent at Grenadier Drive  
(north intersection)**

Transportation Operations & Maintenance  
PUBLIC WORKS DEPARTMENT

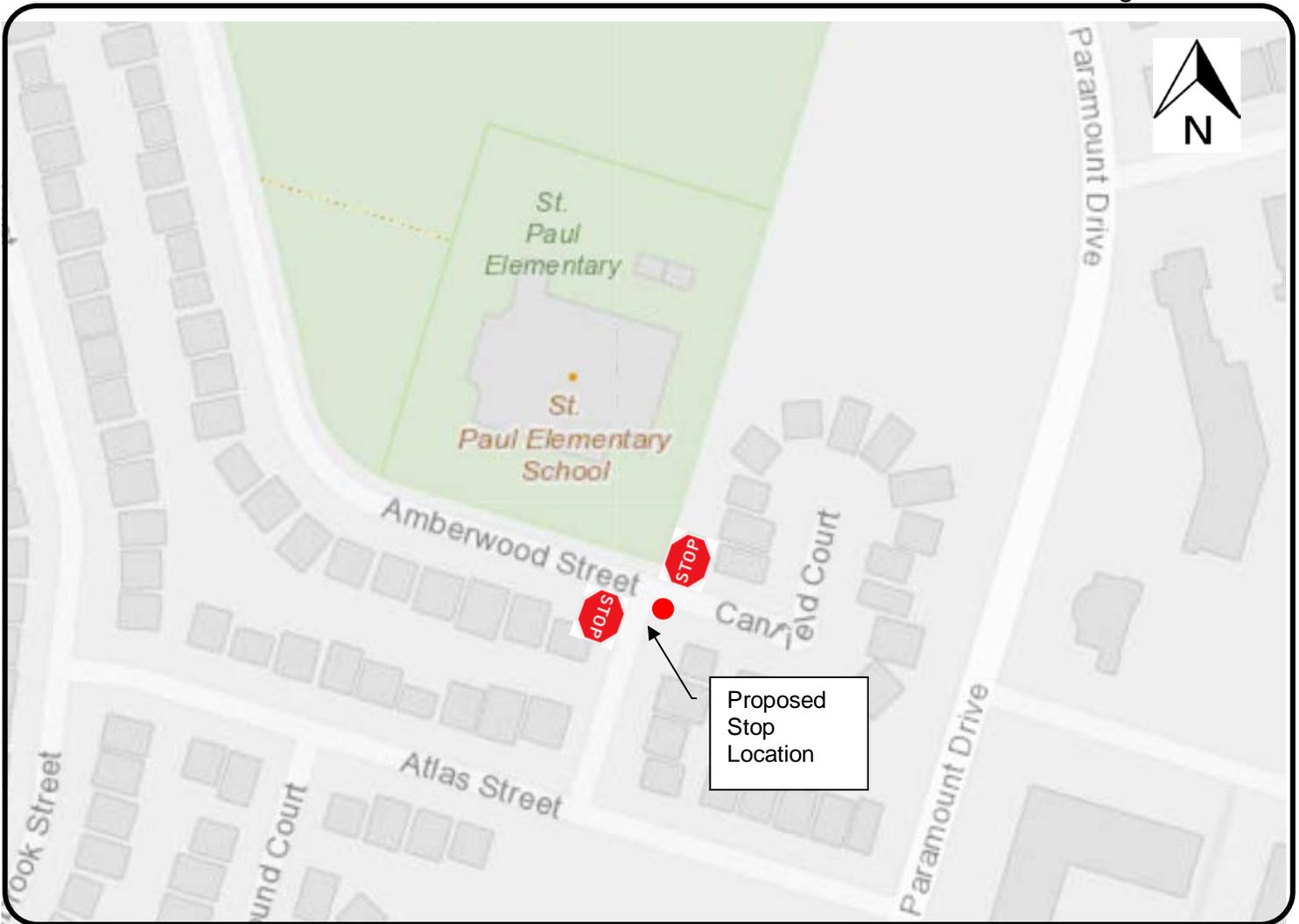
**LEGEND**

● EXISTING STOP

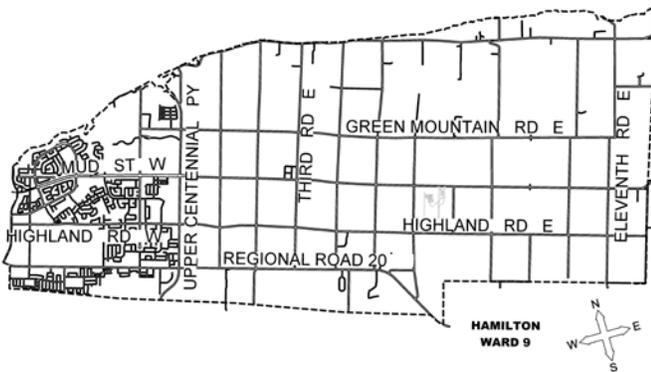
● PROPOSED STOP

SCALE  
**NOT TO SCALE**

DATE  
**June 14, 2021**



KEY MAP



LOCATION PLAN

*PROPOSED STOP CONTROL:*

**Amberwood Street at Canfield Court**

Transportation Operations & Maintenance  
PUBLIC WORKS DEPARTMENT

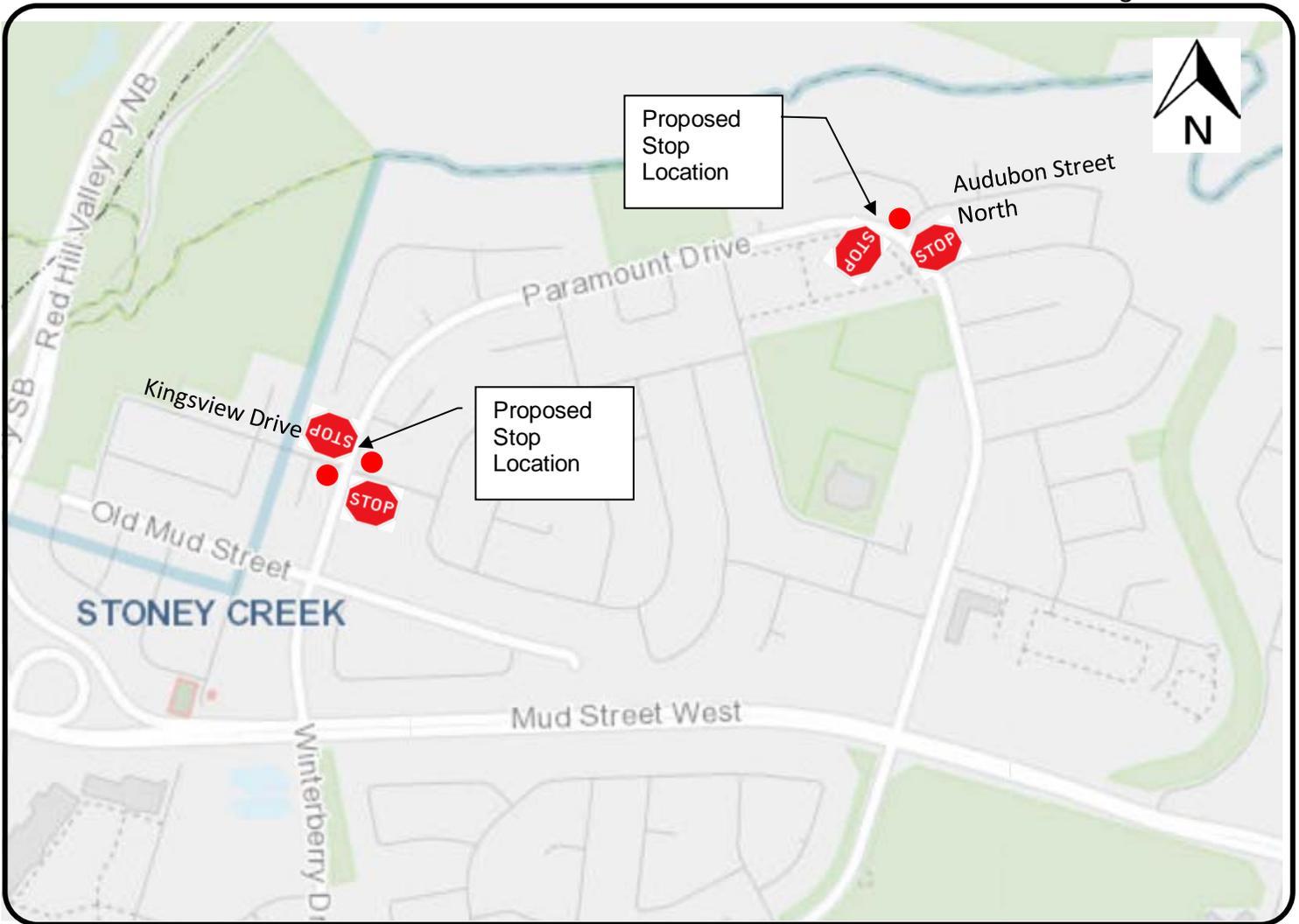
**LEGEND**

● EXISTING STOP

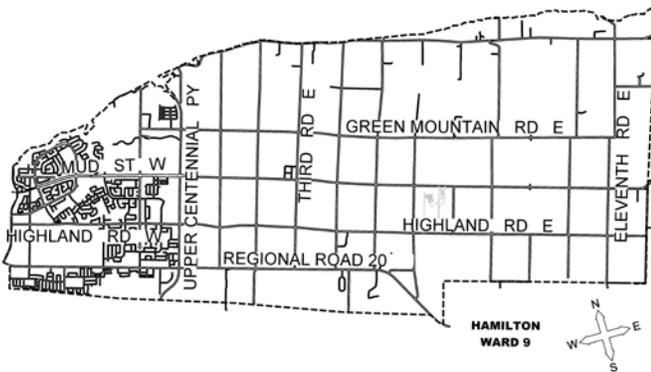
STOP PROPOSED STOP

SCALE  
**NOT TO SCALE**

DATE  
**June 14, 2021**



**KEY MAP**



**LOCATION PLAN**

*PROPOSED STOP CONTROL:*

**Paramount Drive at Kingsview Drive  
Paramount Drive at Audubon Street North**

Transportation Operations & Maintenance  
PUBLIC WORKS DEPARTMENT

**LEGEND**

- EXISTING STOP
- PROPOSED STOP

SCALE  
**NOT TO SCALE**

DATE  
**June 14, 2021**

**Authority:** Item #, Public Works Committee  
Report 21-009 (PW21001(c))  
CM: June 23, 2021  
Ward: 6, 9, 11, 13

**Bill No.**

**CITY OF HAMILTON**

**BY-LAW NO. 21-**

**To Amend By-law No. 01-215  
Being a By-law To Regulate Traffic**

**WHEREAS** sections 8, 9 and 10 of the Municipal Act, 2001, S.O. 2001, c. 25, authorize the City of Hamilton to pass by-laws as necessary or desirable for the public and municipal purposes, and in particular paragraphs 4 through 8 of subsection 10(2) authorize by-laws respecting: assets of the municipality, the economic, social and environmental well-being of the municipality; health, safety and well-being of persons; the provision of any service or thing that it considers necessary or desirable for the public; and the protection of persons and property;

**AND WHEREAS** on the 18th day of September, 2001, the Council of the City of Hamilton enacted By-law No. 01-215 to regulate traffic;

**AND WHEREAS** it is necessary to amend By-law No. 01-215.

**NOW THEREFORE** the Council of the City of Hamilton enacts as follows:

1. Schedule 5 (Stop Control) of By-law No. 01-215, as amended, is hereby further amended by adding to Section "C" (Flamborough) thereof the following item, namely;

Harvest Road	Eastbound/Westbound	Forest Avenue
Harvest Road	Eastbound/Westbound	Tews Lane

And by removing from Section "D" (Glanbrook) thereof the following items, namely;

Idlewilde Lane	Southbound	Kopperfield Lane
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And by adding to Section "D" (Glanbrook) thereof the following items, namely;

Idlewilde Lane	Northbound/Southbound	Kopperfield Lane
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## INFORMATION REPORT

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	June 14, 2021
<b>SUBJECT/REPORT NO:</b>	Sewer Use By-law Program 2020 Annual Update (PW21036) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
<b>PREPARED BY:</b>	Susan Girt (905) 546-2424 Ext. 2671 Hector Quintero (905) 546-2424 Ext.5087 Sherry Vanderheyden (905) 546-2424 Ext.4437
<b>SUBMITTED BY:</b>	Andrew Grice Director, Hamilton Water Public Works Department
<b>SIGNATURE:</b>	

### COUNCIL DIRECTION

Not Applicable

### INFORMATION

This report serves to provide an update to Committee on the progress and successes of the Sewer Use By-law Program for 2020.

Public Works Committee at its meeting of April 7, 2014, approved the new Sewer Use By-law (PW13061a), which was then subsequently enacted by Council and came into force on May 1, 2014. At the time, Hamilton Water made a commitment to provide an information report, outlining the status of the Sewer Discharge Permit Program, as well as other general Sewer Use By-law Program highlights, to the Public Works Committee on an annual basis.

The City of Hamilton's Sewer Use By-law (SUB) regulates discharges to the City of Hamilton's (City) storm, sanitary, and combined sewers from industrial, commercial and institutional (IC&I) facilities, and residential units. It also regulates the conveyance and

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**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
(PW21036) (City Wide) - Page 2 of 11**

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disposal of hauled sewage. It establishes limits for common pollutants and prohibited substances, and details requirements that users need to meet to discharge to the City's sewer infrastructure.

The current SUB No. 14-090 is an administrative re-write from the original 1988 SUB. In 2009, the Canadian Council for Ministers of Environment (CCME) produced a new model Sewer Use By-law (CCME Model By-law) to assist municipalities with addressing sources of contaminants in wastewater and the inclusion of provisions considered "industry standards". In response, the current SUB was written by Hamilton Water and Legal Services staff to promote clarity and ease of use as well as fair and consistent administration and enforcement. The environmental impacts would be significant without regulating dischargers through enforcement of the SUB. Examples include:

- Clogged or damaged sewers and pipes;
- Risk of impairment of the sewage treatment processes;
- High nutrients contributing to eutrophication of water bodies through algal blooms; and,
- Heavy metals and emerging contaminants that are toxic and can bioaccumulate in the food chain.

The mandate of the Environmental Monitoring and Enforcement (EME) Unit in the Hamilton Water (HW) Division of Public Works is to ensure a healthy environment and elevate trust and confidence in Hamilton Water's services through innovative risk assessment, mitigation and compliance programs. The unit is responsible for the administration and enforcement of SUB No. 14-090 which is in place to protect the City's sewer infrastructure, wastewater treatment facilities and the natural environment. This is achieved via the following activities and programs, an update for many of them are highlighted in this report:

- Sewer Discharge Permitting Program;
- 24/7 Spills Response Program;
- Wastewater Abatement Program (WWAP);
- IC&I Inspection and Risk Assessments;
- Enforcement Action;
- Sampling and Monitoring;
- Hauled Sewage Monitoring Program;
- Community Outreach;
- Sewer Use By-law Updates; and,
- SARS-CoV-2 in Wastewater.

**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
(PW21036) (City Wide) - Page 3 of 11**

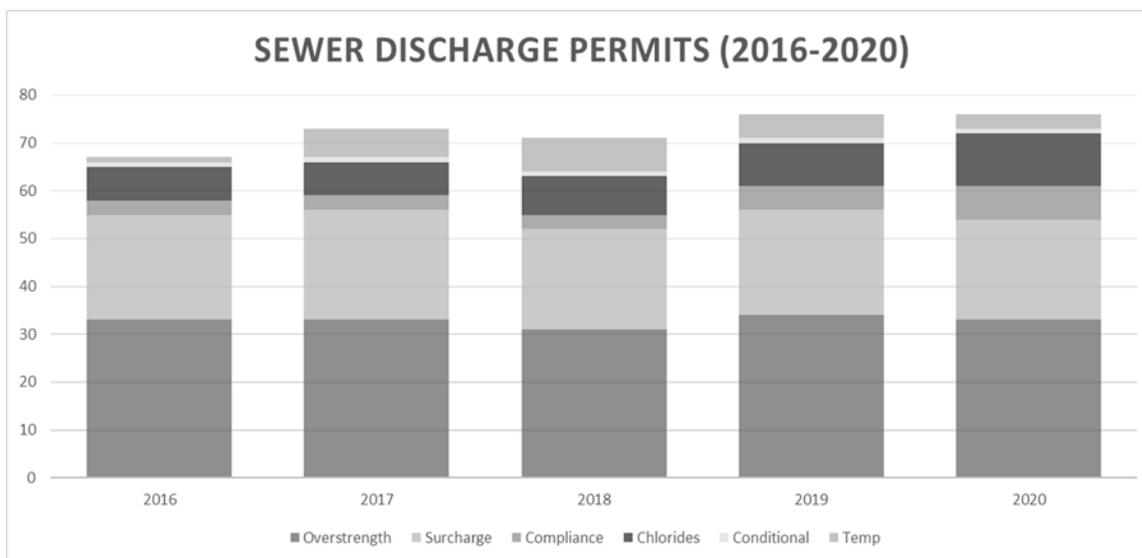
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### Sewer Discharge Permitting Program

Staff administer various permit types by approving applications and processing quarterly invoices. Typically, permits are issued to IC&I facilities whose discharges do not meet the requirements of the SUB but can be treated effectively at one of the City's wastewater treatment plants and will not adversely affect the condition of the sewer system. Permits are a regulatory tool that allow the City to apply conditions and controls to IC&I facility discharges to the sewer and recover costs associated with conveyance and treatment. There are currently six (6) different types of Permits that can be issued by an Officer, which are explained in detail below. Each discharger must apply to the City with specific details about the discharge which is assessed by EME and Plant Operations staff and only issued once all requirements are met. Except for Compliance and Temporary Permits, each permit is typically issued for a three (3) year cycle. Prior to the expiry date, if a permit is still required, the discharger must re-apply. In 2020, EME managed 76 Permit files, which is the same amount as in 2019.

### Overstrength Permit

If a discharger cannot meet the requirements of the Sewer Use By-law for treatable parameters (BOD, TSS, phosphorus, TKN and Oil and Grease (an/veg)) they can opt to pay the City to treat their waste if they don't have real estate or expertise to install their own treatment system. In 2020, there were thirty-three (33) Overstrength Permits, vs. thirty-four (34) in 2019.




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**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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**Surcharge Permit**

If water is discharged to the sewer but has not been purchased from our potable water system, a Surcharge Permit is required to recover the cost of conveying and treating that water. In 2020, there were 21 Surcharge Permits, vs. 22 in 2019.

**Chlorides Permit**

If a discharger cannot meet the requirements of the Sewer Use By-law for Chlorides; a Chlorides Permit lays out the necessary conditions based on a sewer impact study that the discharger is required to conduct. Also, the study will determine the life span of the sewer and the discharger may be required to pay the City to replace the sewer if it does not last its expected lifespan. In 2020, there were 11 Chlorides Permits, vs. nine (9) in 2019.

**Conditional Permit**

Controls and applies conditions to discharges from landfill leachate collection systems, or where a higher-level government authority is required. In 2020, there was one (1) Conditional Permit which is the same amount as in 2019.

**Temporary Permit**

Controls and applies conditions for any of the above discharges that do not exceed a period of six (6) months – tank discharges, site excavations, etc. In 2020, there were three (3) Temporary Permits vs. four (4) in 2019.

**Compliance Permit**

Provides a discharger with certain controlled exemptions to the SUB for a limited time, to plan and implement treatment works that will bring their discharge into compliance. The business will set out activities to be undertaken that would result in the prevention or reduction and control of the discharge by the date specified in its plan.

This allows the business to continue to discharge to the City sanitary sewer in excess of the SUB limits, (within certain parameters, conditions and timelines prescribed in the permit) while taking the required corrective action to address and resolve the problem. As part of the permit conditions, the company may be requested to perform sampling and is required to report progress reports regularly to the City. Failure to comply with any aspect of the compliance permit may result in its termination.

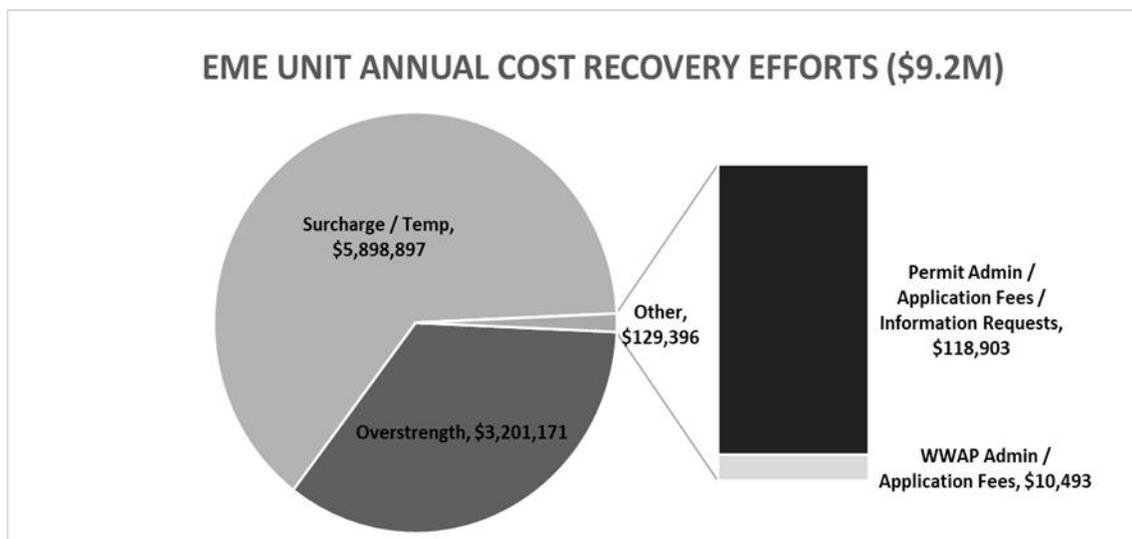
**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
(PW21036) (City Wide) - Page 5 of 11**

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Once the permit expires, the discharger is continually monitored until it is verified that compliance was attained. In 2020, there were seven (7) active Compliance Permits, compared to six (6) in 2019.

### Annual Revenue

In 2020, Sewer Discharge Permits generated approximately \$9.2 million in annual revenue, which accounts for the recovery of costs associated with conveying and treating overstrength and surcharge wastewater. This includes approximately \$119,000 for permit administration, application and information request fees being invoiced. In 2019, Hatch (formerly Hatch Mott MacDonald) conducted a review of the rates applied to overstrength permits and hauled wastewaters discharged to the Woodward Avenue Wastewater Treatment Plant. Annual operation and maintenance costs were used to calculate rates for the five (5) treatable overstrength parameters. The 2020 user fees and charges for treatment cost rates, included the information from this review. The chart below shows a breakdown of the 2020 cost recovery efforts.



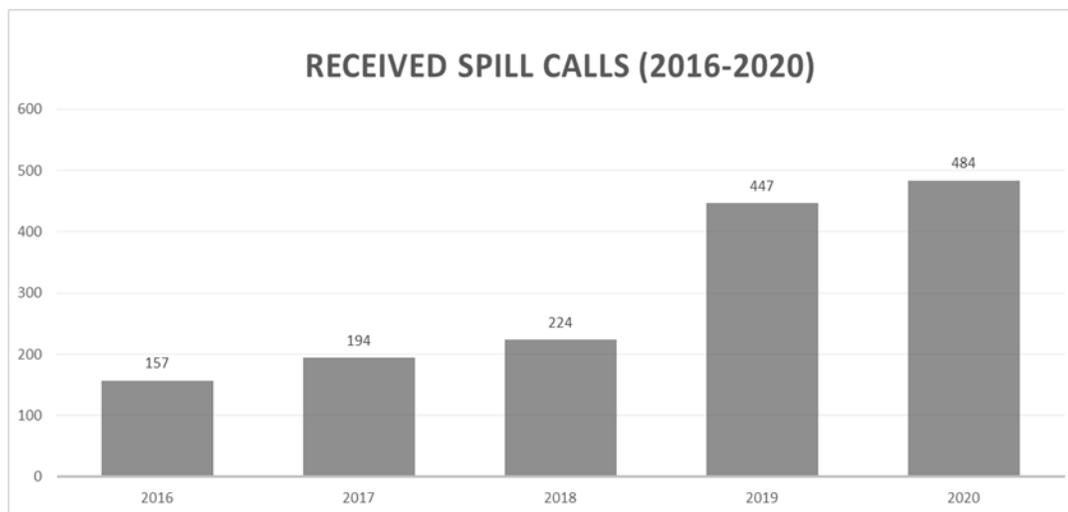
### 24/7 Spills Response Program

EME staff respond to spills, manage the emergency spills contract, oversee clean-up efforts and evaluate potential enforcement action to protect the integrity of the sewer system and Hamilton's water resources. In 2020 there were 484 spill notifications received, setting another record for the unit. EME's staff experience and skillset are critical in dealing with a variety of situations of various magnitudes. A few themes stood out in 2020 including sanitary floatables calls, odour calls as well as an enhanced sampling level of service by Environmental Enforcement Officers when dealing with calls associated with City infrastructure. A total of 118 spill samples were collected in

**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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2020. Enhanced scrutiny was also experienced from the public and regulatory authorities related to calls associated with City infrastructure. EME continues to build upon relationships with the Ministry of the Environment, Conservation and Parks (MECP) and other City sections to ensure the interests of the community are protected. The responsibility and level of detail and care required to deal with these calls continues to increase and add additional pressures to EME programming, competing for resources with other programs such as the inspection and sewer discharge permit program.



Staff endeavours to ensure spills to the City's sewer infrastructure and natural environment are remediated. This includes having staff investigate the source of the spill and holding the responsible party accountable. EME continues to see an increase in staff time allocated to spills compared to the 2017/2018 average which competes for resources for other programs (e.g. inspections, permits, wastewater abatement, etc.). In 2020, approximately 24% of the \$65,126 spent on spill clean-up was recovered through Risk Management. Cost recovery efforts are continuous and, in some cases, yield results. The corporate-wide Spills Contract is written with clear, specific terms and has been in use since 2017; it was renewed for another one (1) year term starting on May 1, 2021. The spill clean-up and recovered costs are noted in the chart below.

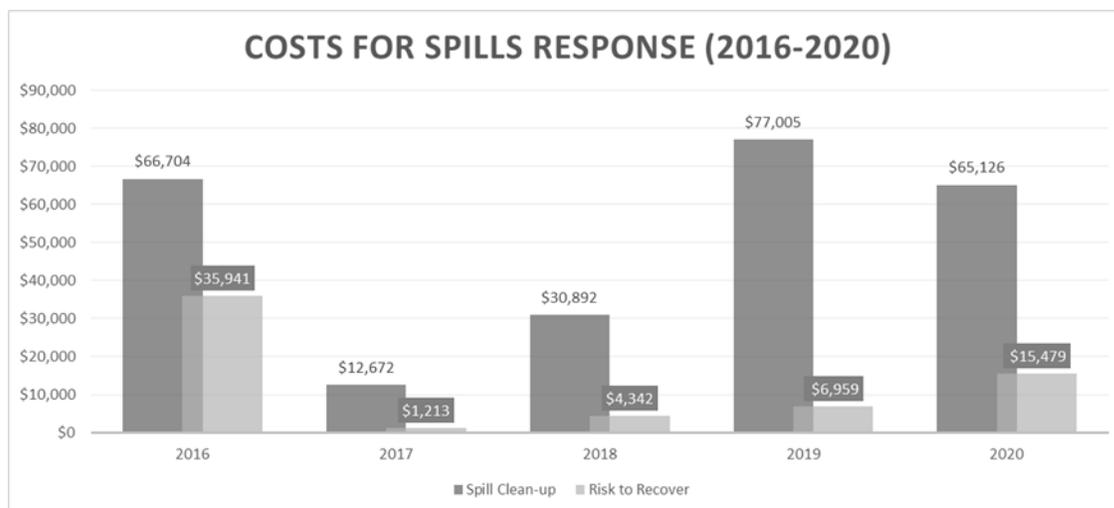
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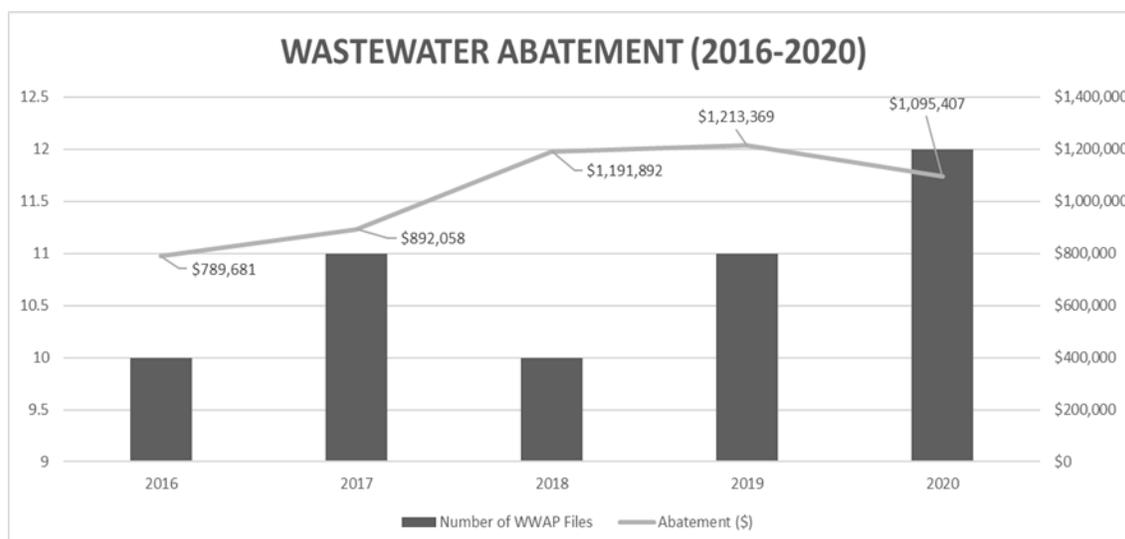
**SUBJECT: Sewer Use By-law Program 2020 Annual Update (PW21036) (City Wide) - Page 7 of 11**



**Wastewater Abatement Program (WWAP)**

The Wastewater Abatement program allows eligible commercial and industrial ratepayers to apply for an assessment of the flow differential between water use and sewage discharged to the city's sanitary sewer and combined sewer systems. Eligible commercial and industrial consumers include those that divert a minimum of 25% of their purchased potable water from the sewer works.

The chart below summarizes the program statistics over the past five (5) years. The application process is rigorous and expects the discharger to be in compliance with the SUB and maintain good financial standing with the City.



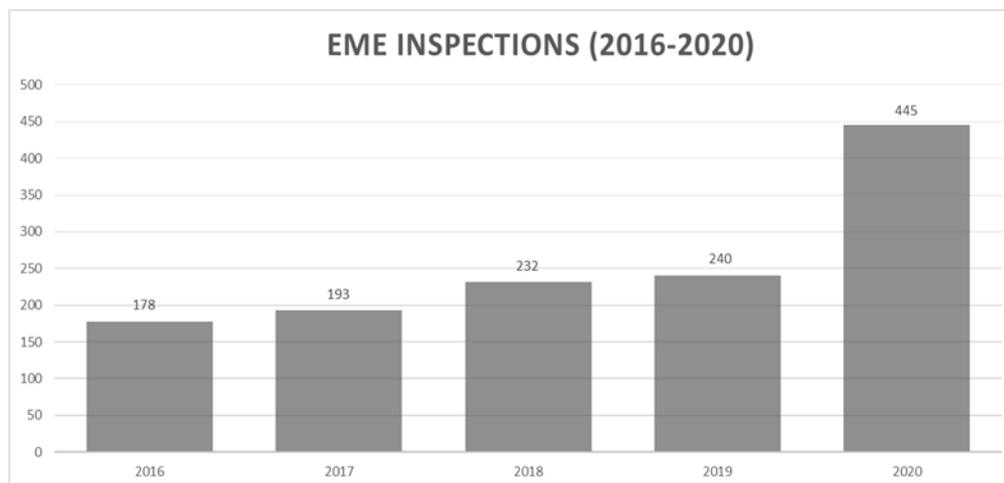
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**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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### IC&I Inspection & Risk Assessments

In 2020, EME completed 445 inspection work orders, which include a combination of detailed and general site assessments. The 2020 pandemic created a unique opportunity for EME to reprioritize work allocation. The Work from Home directive created the right catalyst to advance the General Property Assessment (GPA) portfolio. The GPA process workflow was introduced in 2016 and has averaged 126 GPAs per year over the past four (4) years. In 2020 426 GPAs were completed. EME supervisory staff hosted a virtual calibration session to ensure workflow understanding and technical knowledge. Emphasis was given to property site plan reviews, including identification of private sanitary and storm infrastructure. Staff also participated in general stormwater management system training ensuring technical abilities of the workforce continue to evolve to meet the future demands of the Division. The long-term goal is to assess all dischargers, assign a risk rating for each one, and ultimately ensure our treatment and conveyance costs are being recovered appropriately. The chart below shows the number of yearly inspection work orders that have been completed.



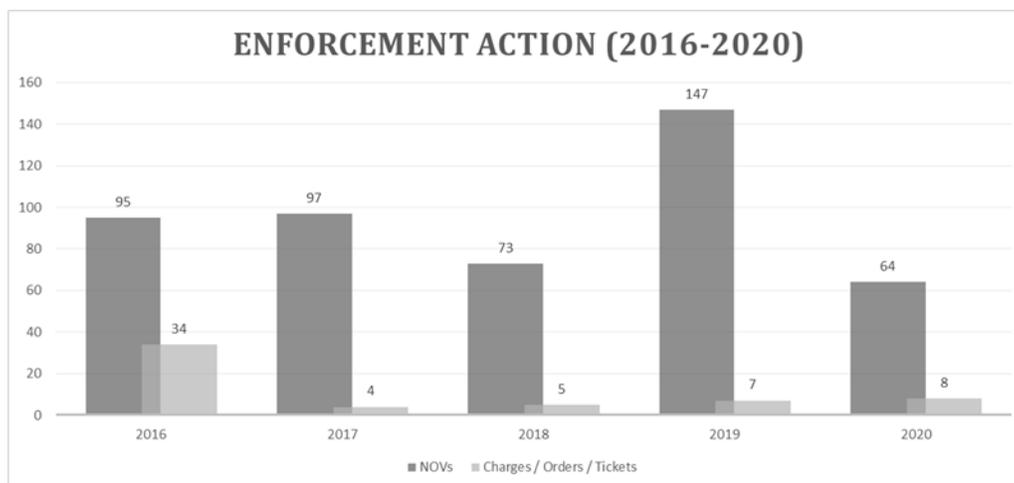
### Enforcement Action

EME generally issues Notices of Violation (NOV) for offences under the SUB. Should compliance not be achieved following notification of offences using NOV, then investigations may be conducted which may lead to prosecutions and potential convictions before the courts. In circumstances which pose an immediate threat to public health or infrastructure or the environment or otherwise require immediate action, EME may issue an order to comply or take other remedial actions. In certain cases, the circumstances may warrant charges under the SUB.

**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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The chart below shows the enforcement action that has been taken over the past five (5) years, which includes NOV's, Part One (1) tickets, charges and orders issued by EME. Three (3) cases involving two (2) companies for incidents that occurred in 2019-2020 moved forward to prosecution. The prosecution files are still before the courts.



### Sewer Use By-law Updates

Public Works Committee at its meeting of April 1, 2019, approved the Proposed Amendments Report (PW19029), which was then subsequently approved by Council on April 10, 2019. The purpose of the report was to inform Committee of staff's intent to hold Public Information Centres regarding the outcome of the 2018 consultant's review. This high-level study consisted of a comprehensive and scientific review of the parameters and limits to ensure they are appropriate and effective for the upgrades to the Woodward Wastewater Treatment Plant. The study also supports the Hamilton Harbour Remedial Action Plan: "Urban Runoff Hamilton Harbour Report" recommendation that the SUB include a limit for total phosphorous discharged to the storm sewer. City Staff held two (2) Public Information Centres (PICs) in October 2019 to seek input from stakeholders. Both PICs were well attended and the feedback that was received on the proposed changes was supportive.

Currently, the SUB permits uncontrolled discharges of construction dewatering to combined sewers, which means EME cannot regulate discharges to combined sewers. Monitoring and enforcement of these discharges is important because they make their way to the Woodward Avenue Wastewater Treatment Plant and can impact combined sewer, treatment plant capacity and potential system overflows. Staff are working with a consultant (Jacobs) for the development of a construction dewatering program and associated modifications to the existing Sewer Use By-law. City Staff will be hosting additional PICs in 2021 to seek input from stakeholders. Recommendations will be

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**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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presented to Council in Q4 2021 related to proposed parameter amendments to SUB 14-090, a construction dewatering component and administrative updates.

### Community Outreach

Airborne odours in the Wentworth Street North and Oliver Street area have been a source of many residential complaints in the area. In 2020, the number of odour complaints increased significantly from previous years. EME responds to and investigates spills and sewer odours within the City of Hamilton's sewer system and has been actively working on this issue. The source of the odour is unknown but may potentially be due to industrial activity in the area. Below are some of the steps being undertaken by the City and World Energy (Biox Canada Ltd.), a biodiesel producer in the area.

#### World Energy (Biox Canada Ltd.):

- is researching potential sources of any odours in their wastewater discharge and ways to lessen and/or prevent them;
- currently cleans their sewer lines on a six (6) month frequency;
- has implemented new odour checks inside the Facility's property lines and outside of the Facility along Wentworth Street North - checks are performed six (6) times per day; and,
- is undertaking gas monitoring inside the private sanitary sewer discharge manhole every 12 hours.

#### The City of Hamilton:

- actively monitors wastewater discharged from World Energy (Biox Canada Ltd.) and ensures that it complies with the SUB 14-090;
- is inspecting other nearby industrial sites to determine if there are other factors that may be resulting in offensive sewer odours;
- has installed two (2) sewer odour lids and a biofilter unit along Wentworth Street North;
- will continue to respond to sewer odour notifications with a physical site visit to gather observations, measurements and perform maintenance as required; and,
- will ensure active communication with company representatives including notification of all resident sewer odour complaints.

Understanding odour types and potential sources, residents call the reporting lines for the Ministry of the Environment or City Spills line depending on what/where they are smelling. The City engaged World Energy (Biox Canada Ltd.) to enhance lines of communication. Company reporting lines were made available 24/7 for community

**SUBJECT: Sewer Use By-law Program 2020 Annual Update  
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members to engage directly to activate internal group to investigate. EME continues to work with the community and company to identify and correct any abnormal conditions and offensive odours associated with the sewer system.

#### SARS-CoV-2 in Wastewater

In 2020, Hamilton Water embarked on a new journey to explore the use of wastewater sample data as a tool to assist Public Health authorities in decision-making and potentially serve as an early warning for subsequent COVID-19 waves of illness in our community. Working with both the University of Ottawa and McMaster University, Hamilton Water has been providing samples of the Woodward WWTP raw influent and raw sludge three (3) times a week. In December 2020, EME joined this partnership by initiating a sampling program at two (2) long term care facility locations, three (3) times a week. Hamilton Water continues to support this initiative into 2021.

#### Conclusion

The Environmental Monitoring and Enforcement Unit continues to be recognized as leaders in the Municipal Sewer Use Enforcement industry. Staffing resources have been optimized to ensure existing wastewater sampling service levels are met to support the Permit Program and provide sampling support to the Division and others when required. Construction dewatering is another area where future demand for staffing resources is forecasted.

Over the last decade, many IC&I facilities in the City have made significant capital investments, upwards of \$50M in total, to achieve compliance with the Sewer Use By-law. The excellent work of the EME team and effective administration of the Sewer Use By-law has contributed significantly to the successful operation of the wastewater treatment plants. The quality of effluent leaving the plants, as well as that of our biosolids has been stable and much better because of this great work.

The strategic investment that City Council made almost 15 years ago by adding resources to this business unit, and support of ongoing changes to the Sewer Use By-law has been instrumental in their success. The community trusts and values the program to protect Hamilton's sewer assets, wastewater treatment plants and the community's water resources.

#### **APPENDICES AND SCHEDULES ATTACHED**

N/A





Hamilton

## MINUTES

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

### THE KEEP HAMILTON CLEAN & GREEN COMMITTEE PRESENTS THE MARCH 16, 2021 MINUTES AND RECOMMENDS THE FOLLOWING:

#### 1. Appointment of Committee Chair and Vice-Chair for 2021 (Item 1.1)

**(Duke/Jarvi)**

- (i) That Heather Donison be appointed as Chair for the Keep Hamilton Clean and Green Advisory Committee for 2021.

**CARRIED**

**(Donison/Jarvi)**

- (ii) That Paulina Szczepanski be appointed as Vice-Chair for the Keep Hamilton Clean and Green Advisory Committee for 2021.

**CARRIED**

#### 2. Clean and Green Neighbourhood Funding (Item 9.2)

That the following grants be approved:

**(Donison/Szczepanski)**

- (a) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$1000 for Beautiful Alley's April 17<sup>th</sup>, 2021 Spring Alley and May 1<sup>st</sup>, 2021 CN property cleanup projects as recommended by the Grants Working Group,

**(Jarvi/Szczepanski)**

- (b) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$500 for the Blackheath Binbrook Lions Club's Binbrook Conservation Area cleanup as recommended by the Grants Working Group,

**(Szczepanski/Donison)**

- (c) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$1000 for the Corktown Neighbourhood Association's park cleanups, gardening workshops and native planting initiative as recommended by the Grants Working Group,

**(Donison/Jarvi)**

- (d) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$325 for the Stinson Community



Hamilton

## MINUTES

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

Association's one-time hyper location cleanup as recommended by the Grants Working Group,

(e) **(Baker/Donison)**

That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$350 for the Stinson Community Association's Carter and Bishop's Parks as recommended by the Grants Working Group,

**(Jarvi/Donison)**

- (f) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$500 for Hamilton-Wentworth Green Venture's tree planting initiative using the Miyawaki Forests method as recommended by the Grants Working Group,

**(Szczepanski/Baker)**

- (g) That the Keep Hamilton Clean and Green Committee approves Clean & Green Neighbourhood funding of \$500 to the Stinson Community Association and the Corktown Neighbourhood Association for a cleanup of Corktown Park and the Rail Trail, from Corktown Park to Wentworth Avenue as recommended by the Grants Working Group.

**CARRIED**

That the following grants be denied:

**(Duke/Tom)**

- (a) That the Keep Hamilton Clean and Green Committee does not approve Clean & Green Neighbourhood funding for Trisha Iszkula's downtown area cleanup team initiative by the Grants Working Group. Feedback will be provided to this applicant to improve future applications,

**(Donison/Baker)**

- (b) That the Keep Hamilton Clean and Green Committee does not approve Clean & Green Neighbourhood funding for the Hamilton Malayalee Samajam tree planting initiative as recommended by the Grants Working Group. Feedback will be provided to this applicant to improve future applications,

**(Donison/Szczepanski)**

- (c) That the Keep Hamilton Clean and Green Committee does not approve Clean & Green Neighbourhood funding for the Powell Park community garden sprinkler system installation project as recommended by the



Hamilton

## MINUTES

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

Grants Working Group. Feedback will be provided to this applicant to improve future applications.

**CARRIED**

### 3. APPROVAL OF AGENDA

The Staff Liaison advised the Committee of the following change to the agenda:

- (i) The addition of a written delegation, from Hamilton resident, Adam Spence (Item \*6.1).

**(Donison/Jarvi)**

That the agenda for the March 16, 2021 Keep Hamilton Clean and Green Committee meeting be approved as amended.

**CARRIED**

### 4. DECLARATIONS OF INTEREST

**(Baker/Szczepanski)**

- (i) Heather Donison declared a personal conflict of interest regarding item 9.1 Clean and Green Neighbourhood Grant and would no longer be able to speak to Hamilton-Wentworth Green Venture's 2021 Clean and Green Neighbourhood Grant application submission as she is currently employed by the grantee.

**(Baker/Szczepanski)**

- (i) Brenda Duke declared a personal conflict of interest regarding item 9.1 Clean and Green Neighbourhood Grant and would no longer be able to speak to the grant application submitted by Vania Pagniello as she has provided background assistance with this project.

**CARRIED**

### 5. APPROVAL OF MINUTES OF PREVIOUS MEETING

- (i) **February 23, 2021 (Item 4.1)**

**(Baker/Jarvi)**

That the agenda for the February 23, 2021 Keep Hamilton Clean and Green Committee meeting be approved as presented.



## MINUTES

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

**CARRIED**

### 6. COMMUNICATIONS

**(i) Introduction of new Committee Members (Item 5.1)**

The Committee welcomed and introduced new Members, Diana Meskauskas and Michelle Thom.

**(Toppin/Donison)**

That the welcome and introduction respecting new Committee Members, Diana Meskauskas and Michelle Thom, be received as presented.

**CARRIED**

### 7. WRITTEN DELEGATIONS

**(i) Written delegation received (Item \*6.1)**

A written delegation was received from Hamilton resident, Adam Spence, respecting dog feces and bags of dog feces scattered around City Parks.

**(Toppin/Baker)**

That the written delegation from Adam Spence, requesting to provide a formal presentation to the Committee respecting dog feces and bags of dog feces scattered around City Parks at the May 4<sup>th</sup> Committee meeting, be approved.

**CARRIED**

### 8. DISCUSSION ITEMS

**(i) Eco-Walking Presentation and Informal Cleanups Discussion with Dundas S.S. Student, Nolan Clark (Item 9.1)**

Grade 12, Dundas Secondary School student Nolan Clark, provided a comprehensive presentation to the Committee on his Eco-Walking initiative, discussing how he uses a five-step process to successfully initiate and maintain environmentally focused community projects through:

- Generating an idea;
- Gaining support;



Hamilton

## MINUTES

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

- Developing a practice;
- Engaging others; and
- Seeking new opportunities

The Committee praised Nolan Clark for his tremendous efforts in helping to keep the local environment clean and green and thanked him for his inspirational presentation.

**(Jarvi/Baker)**

That the presentation given by Nolan Clark, respecting his Eco-Walking initiative and associated project strategies, be received as presented.

**CARRIED**

### 9. MOTION

**(i) Program revisions to the Clean and Green Neighbourhood Grant Program (Item 11.1)**

**(Duke/Donison)**

WHEREAS, the recommendations from the Adjudication Working Group and feedback from the Committee respecting the 2021 Clean and Green Neighbourhood Grant process, be further developed for consideration:

**THEREFORE, BE IT RESOLVED:**

- a) That, the Keep Hamilton Clean and Green Advisory Committee formally request that Committee Members work with Staff to investigate and implement improvements to the Clean and Green Neighbourhood Grant program:
  - (i) That, a Working Group be established to lead the investigation and implementation of program improvements,
  - (ii) That, the Working Group consult with Staff,
  - (iii) That, the Working Group report back to the Committee regularly, with information updates as a standing agenda item; and
  - (iv) That, the following Committee Members have volunteered for the Working Group:



Hamilton

## **MINUTES**

Keep Hamilton Clean & Green Committee  
Tuesday March 16, 2021, 5:00 pm

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- Lennox Toppin
- Brenda Duke
- Paulina Szczepanski
- Felicia Van Dyk

**CARRIED**

### **10. AJOURNMENT**

**(Baker/Donison)**

That, there being no further business, the meeting be adjourned at 6:29 P.M.

**CARRIED**

Respectfully submitted,

Felicia Van Dyk  
Chair, Keep Hamilton Clean and Green  
Committee

Diane Butterworth  
Clean & Green Coordinator, Business Programs  
Environmental Services Division, Public Works Department



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Theresa Phair, Community Outreach Coordinator,  
Business Programs  
Adam Spence, Hamilton Resident and Delegation  
Presenter

Pursuant to Section 5.4(4) of the City of Hamilton's Procedural By-law 21-021 at 5:30 P.M. the Staff Liaison to the Committee advised those in attendance that quorum had not been achieved within 30 minutes after the time set for the Keep Hamilton Clean and Green Advisory Committee, therefore, the Staff Liaison to the Committee noted the names of those in attendance and the meeting stood adjourned.

Respectfully submitted,

Diane Butterworth  
Clean and Green Coordinator  
Business Programs  
Environmental Services



Hamilton

## HAMILTON CYCLING COMMITTEE (HCyC) MINUTES

Wednesday, March 3, 2021

5:45 p.m.

Virtual Meeting

**Present:** Chair: Chris Ritsma  
 Vice-Chair: William Oates  
 Members: Roman Caruk, Jane Jamnik, Ann McKay, Jessica Merolli,  
 Cora Muis, Gary Rogerson, Cathy Sutherland, and Kevin  
 Vander Meulen

**Absent with  
 Regrets:** Jeff Axisa, Kate Berry, Joachim Brouwer, Sharon Gibbons, Yaejin Kim,  
 Councillor Esther Pauls, Councillor Terry Whitehead and Christine  
 Yachouh

**Also Present:** Trevor Jenkins, Project Manager, Sustainable Mobility  
 Peter Topalovic, Program Manager, Sustainable Mobility  
 Sarah Eakins, Landscape Architect, Landscape Architectural Services

### (a) APPROVAL OF AGENDA

**(Caruk/Oates)**

That the agenda of the March 3, 2021 meeting of the Hamilton Cycling  
 Committee be approved, as presented.

**CARRIED**

### (b) DECLARATIONS OF INTEREST

None

**(c) APPROVAL OF MINUTES OF PREVIOUS MEETING****(i) February 3, 2021 (Item 3.1)****(Oates/Muis)**

That the minutes of the February 3, 2021 meeting of the Hamilton Cycling Committee be approved, as presented.

**CARRIED****(d) DISCUSSION ITEMS (Item 9)****(i) Planning and Project Updates (Item 9.1)**

Staff provided the Committee with a written update on 2021 planned cycling infrastructure projects.

**(Oates/Muis)**

That the updates from Staff on Planning and Project Updates be received.

**CARRIED****(ii) Pipeline Trail Update (Item 9.2)**

Staff provided the Committee with an oral update on the planning of the Pipeline Trail Extension. Committee members asked that they be informed of future public consultation events.

**(iii) 2021 Cycling Committee Work Plan (Item 9.3)**

Committee members discussed potential projects to undertake during 2021 as part of their work plan. Projects that members raised include the ongoing Gender and Cycling study, a school streets pilot, a bike-in movie night (possibly in collaboration with Hamilton Bike Share Inc. who has hosted them previously), and an education/promotional campaign.

It was raised that the committee's Term of Reference encourages members to meet with their Ward Councillor to discuss cycling, typically once a year. It was suggested that Committee Members could suggest having a socially distanced bike ride with their Councillor.

**(e) MOTIONS****(i) Concrete Curbs on Cannon Street (Added Item 10.1)****(Oates/Muis)**

WHEREAS, Cannon Street is the most utilized cycling route in the city;

WHEREAS, Cannon Street is on a truck route;

WHEREAS, Cannon Street is a 50 km/hr road; and,

WHEREAS, Cannon Street has an eastbound lane for bicycles against a single direction of vehicular traffic.

**THEREFORE, BE IT RESOLVED:**

- (a) That Cannon Street rubber barriers and knock down bollards be replaced with poured concrete curbs in places that permanent curbs have not already been installed; and,
- (b) That Cannon Street barriers between James Street North and Hess Street North be replaced immediately.

**CARRIED**

**(f) NOTICE OF MOTION**

**(i) Concrete Curbs on Cannon Street**

**(Oates/Jamnik)**

That the Rules of Order be waived to allow for the introduction of the following Notice of Motions as Motions at this meeting respecting Concrete Curbs on Cannon Street.

**CARRIED**

For further disposition, refer to Item (e)(i)

C. Ritsma provided notice of the following three motions for the April 7, 2021 Committee meeting.

**(ii) Keddy Access Trail Artwork**

WHEREAS the Keddy Access trail has been completed or near completion;

WHEREAS City of Hamilton is a city known for its art, and its growing arts scene;

WHEREAS City of Hamilton supports the arts; and,

WHEREAS there is an empty canvass along a massive stretch of concrete.

**THEREFORE, BE IT RESOLVED:**

- (a) That the Committee recommends City of Hamilton hire artists to paint the entire barrier of the Keddy Access in a memorial fashion with input from the community and family, friends and students of Mr. Keddy.

**(iii) Bicycle Lane Asphalt Quality During and Following Road Works**

WHEREAS road works, emergencies, development, construction, utilities and other events require removal of asphalt and/or concrete in bicycle lanes;

WHEREAS asphalt is typically patched quickly then properly repaired at a later date;

WHEREAS work requiring removal of asphalt and/or concrete can take months or years;

WHEREAS bicycles require a smoother surface, both for safety and quality of ride; and,

WHEREAS there are various examples of uncomfortable and unsafe patchwork on key pieces of cycling infrastructure.

**THEREFORE, BE IT RESOLVED:**

- (a) That the Committee recommends all asphalt and/or concrete crossing the path of a bicycle lane, bicycle trail, bicycle route, or other bicycle infrastructure be repaired/patched immediately after work is complete. All asphalt and/or concrete for these locations be repaired to the same quality regardless of whether the entire project is complete or in progress. The quality of the repair should be to the same quality or better than the adjacent untouched asphalt and/or concrete; and,
- (b) That the Committee recommends Public Works Committee take this motion and present it as direction to staff.

**(iv) Bicycle Lane Curbs**

WHEREAS physical protection is the best practice to maintain cyclist safety;

WHEREAS vehicles regularly access bicycle infrastructure rendering the infrastructure unusable;

WHEREAS existing concrete curbs and flex posts are easily driven over by vehicles and crushed;

WHEREAS the goal for cycle tracks should be to be made as all ages and abilities; and,

WHEREAS grey concrete curbs are easily missed in summer or snow.

**THEREFORE, BE IT RESOLVED:**

- (a) That the Committee recommends curb heights be no less than 25cm tall; and,
- (b) That the Committee recommends curbs be painted brightly with artwork from local artists or when not possible, clear markings so they do not blend into the grey asphalt.

**(g) ADJOURNMENT**

**(Vander Meulen/Muis)**

That, there being no further business, the meeting adjourned at 7:52 p.m.

Respectfully submitted,

Chris Ritsma  
Chair, Hamilton Cycling Committee

Trevor Jenkins  
Project Manager, Sustainable Mobility  
Transportation Planning, Planning & Economic Development

PW21019  
Item 8.1



Hamilton

# Enhanced Inspection and Monitoring Hamilton Water and Wastewater

June 14, 2021

ANDREW GRICE

Public Works Department  
Hamilton Water Division



# AGENDA

Enhanced Inspections

Surface Water Quality  
Program

2



## ECHO Program

# ABOUT US

## Multidisciplinary Team

- Operations
- Maintenance

## Responsibilities

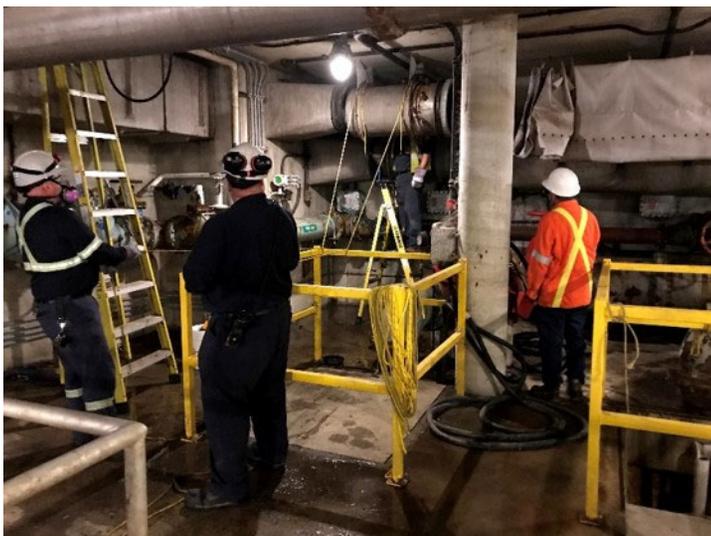
- Inspections
- Preventative maintenance
- Compliance and SOP's
- Process Control Narratives review

## ECHO Program **2020 RESULTS**

First ECHO Team Inspection was  
Main/King CSO Tank - August 18, 2020

Staff spent 4 days on-site

Completed inspections at 28 different  
facilities in 2020 including all of the  
CSO facilities

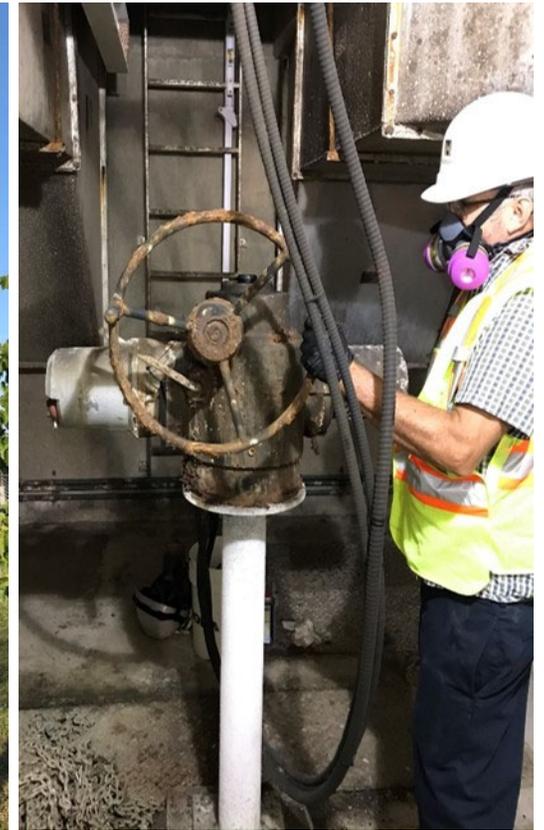


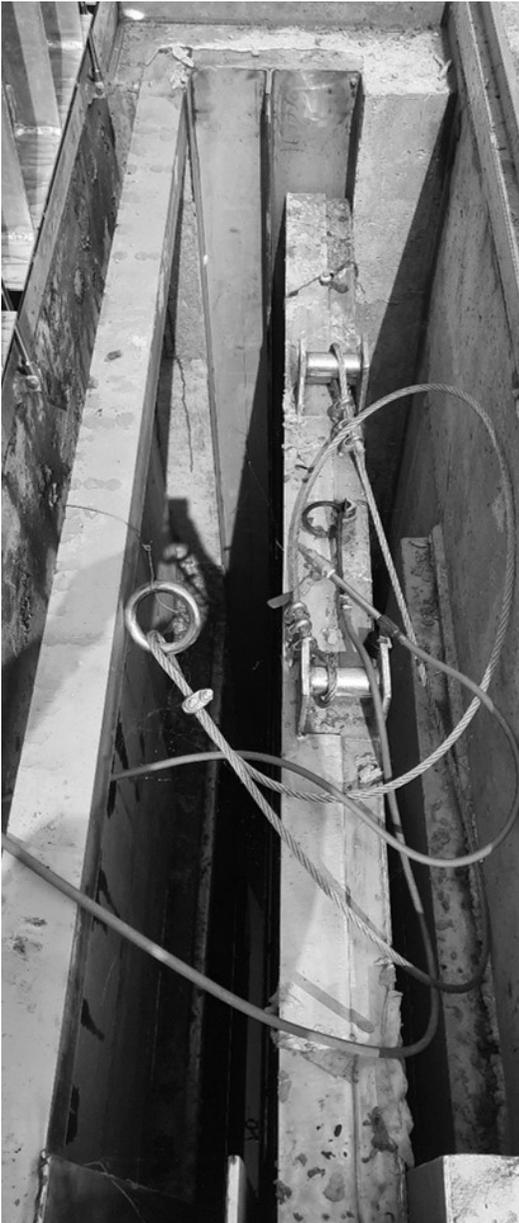
ECHO Program

# ISSUES DISCOVERED/ MITIGATED

Status update on Deficiencies

Refer to Appendix "B" of the report





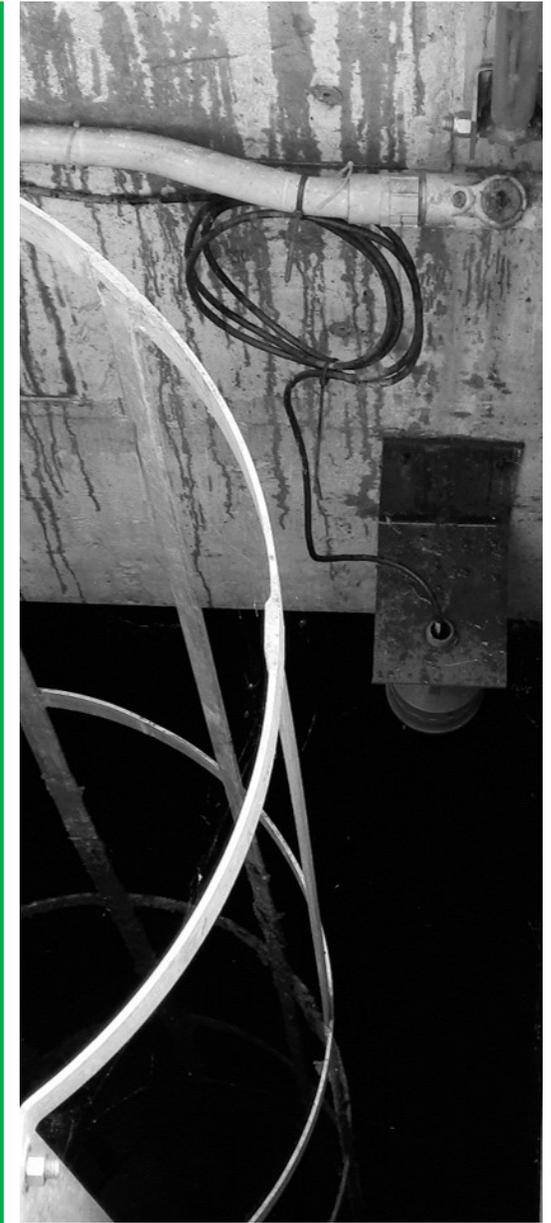
ECHO Program

# NEXT STEPS

Fill remaining vacancies in  
operational team

Finalize inspections at all facilities by  
end of 2021

Create roadmap / priority matrix for  
future inspections



## Surface Water Quality Program

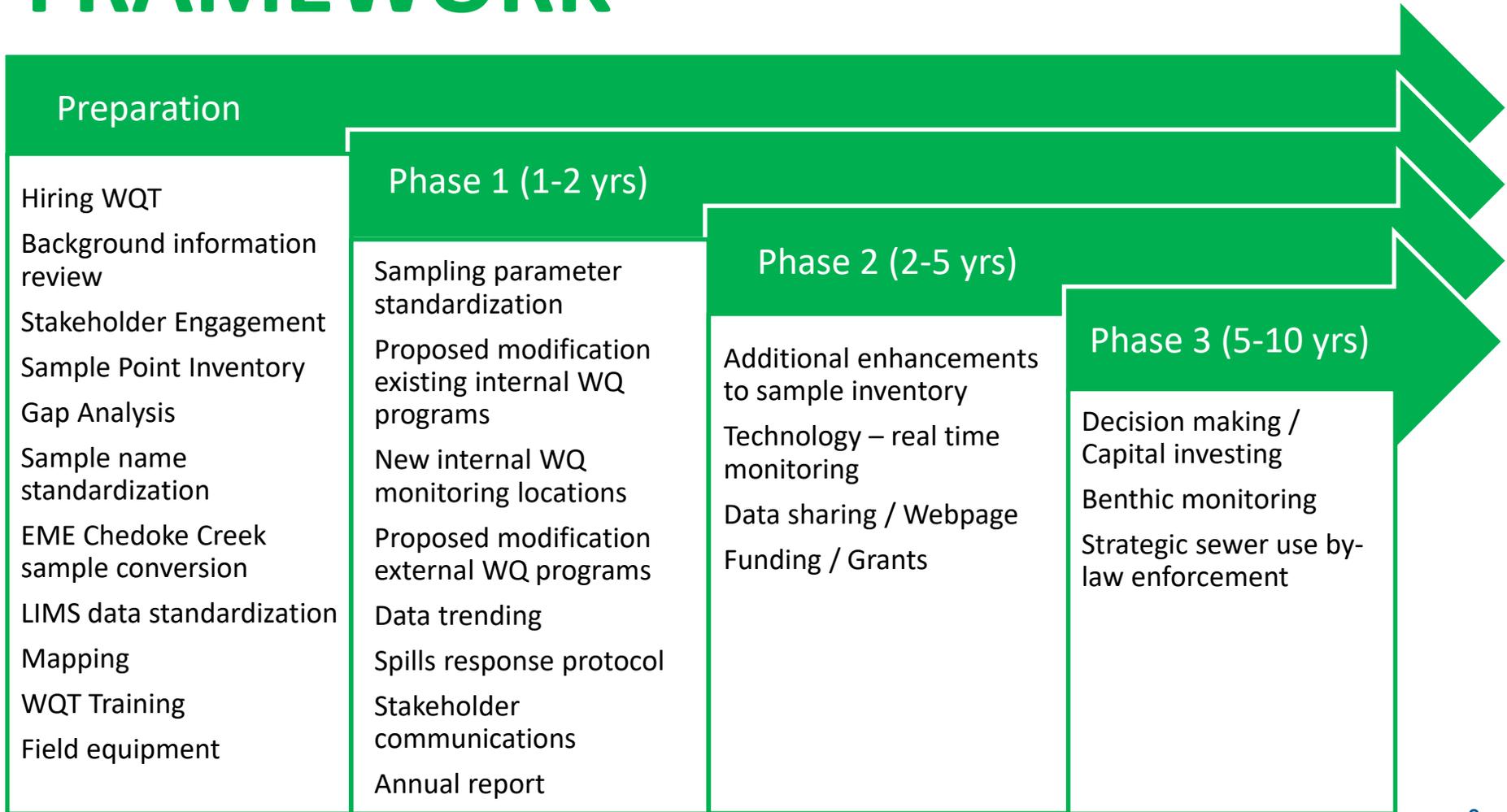
# DISCHARGE IMPACTS

Primary sources of wastewater & stormwater discharges include:

- Combined Sewer Overflows (CSOs)
- WWTP effluent and bypasses
- Sewage Pumping Station (SPS) emergency overflows and/or by-passes
- Sanitary Sewer Cross-connections
- Separated stormwater system discharges



# Surface Water Quality Program FRAMEWORK



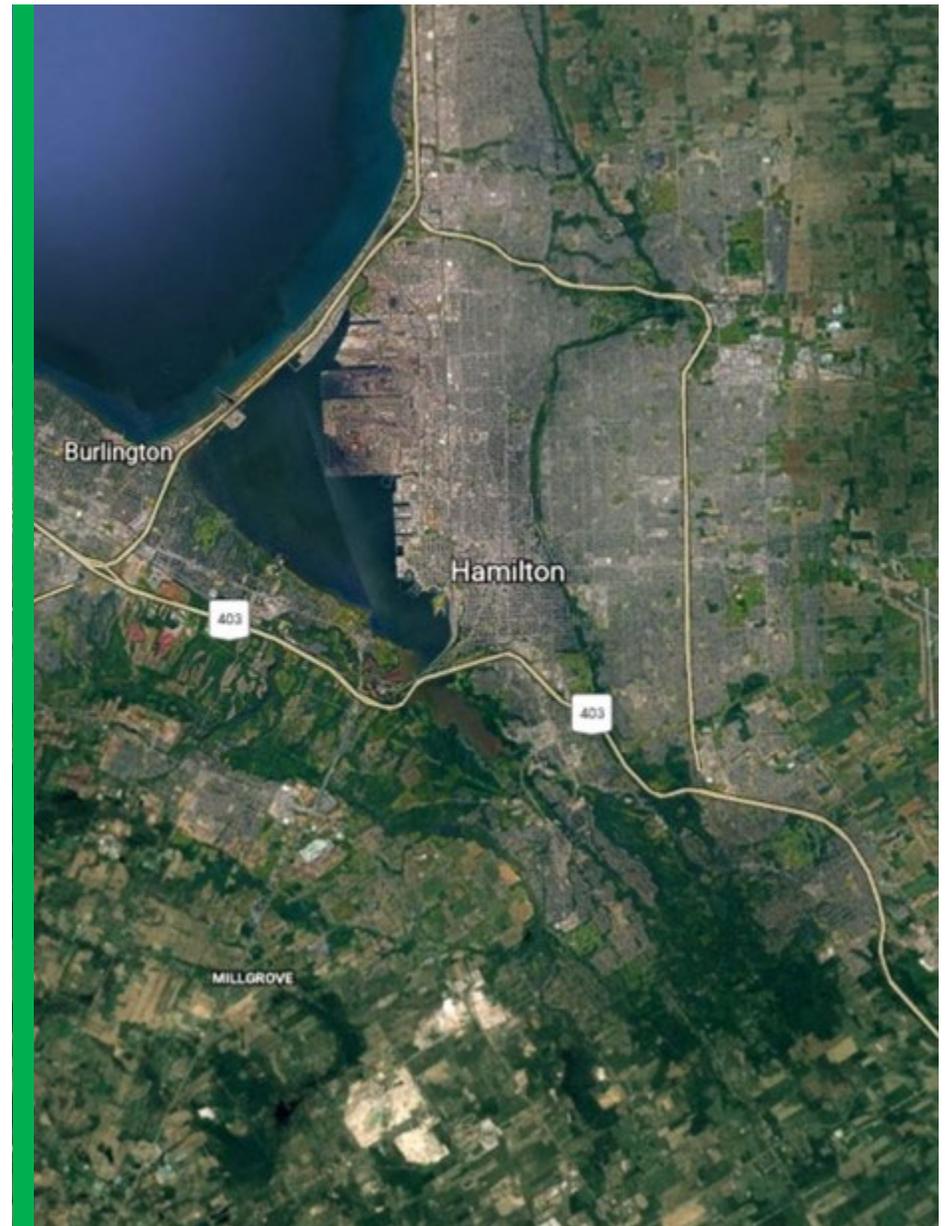
## Surface Water Quality Program

# STAKEHOLDER ENGAGEMENT

WQ Technologist has been in contact with several internal and external stakeholders

WQ Technologist sits on 4 of HHRAP's teams for continuity of programs

In the final stages of finalizing Memorandums of Understanding (MOU) for Data Sharing





## Surface Water Quality Program

# GAP ANALYSIS

### CITY ASSETS

- 54 Outfalls associated with Wastewater System
- 755 Outfalls Associated with Stormwater System
- 61 Sampling locations with ongoing/regular sampling programs (inclusive of WWTPs & CSOs) WWTP effluent and bypasses

### AREAS WITH LIMITED VISIBILITY

Hamilton Harbour, Cootes Paradise, Chedoke Creek, Red Hill Creek, Grindstone Marsh

## Surface Water Quality Program

# EXISTING SAMPLING LOCATIONS

- EXTERNAL CA SITE
- EXTERNAL RBG SITE
- EXTERNAL ECCC
- CITY CSO TANK EFFLUENT SITE
- CITY SURFACE WATER MONITORING SITE
- CITY WWTP DISCHARGE
- WWTP EXPANSION PROGRAM



## Surface Water Quality Program

# WEBSITE & DATA SHARING

**Surface Water Quality Program**  
Home > Home, Property and Development > Water & Sewer > Surface Water Quality Program

The City of Hamilton has implemented a Monthly Surface Water Quality Program that samples select waterways throughout the City for a wide range of water quality parameters.

**Surface Water Monitoring Map**  
Live map is updated monthly providing current information for each water sample location.

The screenshot shows a map of Hamilton and Dundas with several green dots representing monitoring locations. A popup window for 'UO SW1' is visible, containing the following information:

<b>UO SW1</b>
Unit ID: UO SW1
View/Download Data: <a href="#">Open Hamilton</a>
Zoom to ***



**Phase I** – Integrate existing Chedoke Creek Surface Water Quality Program



**Phase II** – Integrate new City of Hamilton Surface Water Quality Program, Monitoring locations and revised parameter monitoring list



**Phase III** – Integrate external stakeholder sampling locations and monitoring data

BI Dashboard development

**Phase IV** – On demand data trending and analysis.

12



QUESTIONS?



## INFORMATION REPORT

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	June 14, 2021
<b>SUBJECT/REPORT NO:</b>	Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) <b>(Outstanding Business List Item)</b>
<b>WARD(S) AFFECTED:</b>	City Wide
<b>PREPARED BY:</b>	Nick Winters (905) 546-2424 Ext. 1474 Susan Girt (905) 546-2424 Ext. 2671
<b>SUBMITTED BY:</b>	Andrew Grice Director, Hamilton Water Public Works Department
<b>SIGNATURE:</b>	

### COUNCIL DIRECTION

Council at its meeting of November 27, 2019 approved General Issues Committee (2020 Rate Budget) Report 19-025. Report 19-025 included a motion to add five (5) additional Full Time Equivalent Rate Supported staff to the Hamilton Water budgeted complement consisting of: four (4) staff to improve the routine physical inspection and preventative maintenance programs for Hamilton Water infrastructure including water and wastewater treatment plants, pumping stations, reservoirs, water towers, well systems and combined sewer overflow tanks; and, one (1) staff to sample and analyse water and wastewater quality, and equipment/process related data. That same motion included the following:

- (b) That staff be directed to report back to the PWC 1 year after the implementation of the additional 5 FTEs for the maintenance of the water and wastewater facilities/equipment and water quality control with information regarding the program improvements and the associated benefits that have been realized; and,
- (d) That staff be directed to report back to PWC in 6 months with a matrix, stakeholder/partnership arrangements and testing locations, as it relates to enhanced inspections and monitoring for Hamilton Water and Wastewater.

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**SUBJECT: Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) - Page 2 of 6**

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**INFORMATION**

This report is responsive to items (b) and (d) from the 2019 motion. The new Full Time Equivalents (FTE) were used to create the Enhanced City of Hamilton Outstation (ECHO) Program and the Surface Water Quality Program (SWQP), each of which are described in detail below. In addition, this report provides information regarding other recently completed inspections at the City's Combined Sewer Overflow (CSO) facilities and resulting actions/improvements.

**Enhanced City of Hamilton Outstation Program:**

Four (4) of the FTEs approved by Council were used to staff the ECHO Program, which consists of a multi-disciplinary team tasked with completing regular thorough inspections and preventative maintenance at the City's water and wastewater treatment plants, pumping stations, reservoirs, water towers, well systems and combined sewer overflow tanks. The ECHO team is made up of one (1) Maintenance Operator, one (1) Millwright, one (1) Electrician, and one (1) Instrumentation Technician. The ECHO team is responsible for looking at a facility or process area as a whole to verify its operational functionality instead of focusing on preventative maintenance of individual components. This includes reviewing the process control narrative (PCN), SCADA (Supervisory Control and Data Acquisition) set points, Environmental Compliance Approval (ECA) requirements, asset information, and the facility/process standard operating procedure (SOP).

In 2020 and early 2021, the ECHO team has been coordinated by different Superintendents and Supervisors as available. Moving forward, the coordination of the ECHO team will transition to a newly created Maintenance Project Manager that was created utilizing a vacant FTE. The work of the ECHO team is also supported by other core SCADA staff, Quality and Health and Safety staff, and other subject matter experts on an ongoing basis.

The ECHO team was organized over the early part of 2020. This included planning and organizing the ECHO Program structure and responsibilities, the ECHO team technical/position structure, and creating the new positions. Unfortunately, none of the newly created positions were filled in 2020, partially due to complications introduced by the COVID 19 Pandemic, and partially due to other staffing departures (retirements, etc.). However, in order to get the program moving, staff from other areas of the operation were freed-up for periods of time to begin the ECHO program inspections. The first inspection began on Tuesday, August 18, 2020 at the Main/King CSO station. Over the following four (4) months the team completed inspections at 28 different locations, including all of the City's CSO tanks and CSO facilities. Several repairs have already been made enhancing the dependability of these critical facilities. A list of locations inspected is attached to Report PW21019 as Appendix "A". A sample of work

**SUBJECT: Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) - Page 3 of 6**

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orders that have resulted from the ECHO inspections is attached to Report PW21019 as Appendix "B".

Progress with the ECHO Program has slowed since December 2020, due to a large number of staffing vacancies, but ECHO inspections have been completed for an additional 18 locations as of April 30, 2021.

Key initiatives for 2021 include: filling the newly created Maintenance Project Manager position; filling a number of other staffing vacancies (Maintenance Operators, Millwrights, Electricians, and Instrumentation Technicians), so that resources are available to support the ECHO Program 5 (five) days per week and without upsetting other operational programs; completing the procurement of vehicles and other equipment to fully outfit the ECHO team; and developing formal documentation and processes for the team including detailed work orders, inspection checklists, and standard operating procedures.

Surface Water Quality Program (SWQP):

On June 22, 2020 a Water Quality Technologist (WQT) was hired by the Hamilton Water, Environmental Monitoring and Enforcement Unit (EME) to support the development of a SWQP of the watercourses in the City of Hamilton.

During 2020, the implementation of the SWQP included:

- Inventory of watercourses
- Inventory of Hamilton Water's stormwater and wastewater infrastructure assets
- Review of key internal and external background data
- Identification and communication with key internal and external stakeholders
- Development of the Surface Water Quality Program Framework

Meetings were held with staff from Hamilton Water and Public Health Services, and external stakeholders throughout 2020 and 2021 in the development of the Surface Water Quality Program Framework.

**SUBJECT: Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) - Page 4 of 6**

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External Stakeholders Contacted:

Hamilton Conservation Authority (HCA)	Royal Botanical Gardens (RBG)
Conservation Halton (CH)	Bay Area Restoration Council (BARC)
Environment Hamilton	Redeemer College
Grand River Conservation Authority (GRCA)	Niagara Peninsula Conservation Authority (NPCA)
Hamilton Harbour Remedial Action Plan (HHRAP)	Ministry of Environment, Conservation and Parks (MECP)
Environment Canada and Climate Change (ECCC)	

The following potential external stakeholders will be contacted in 2021:

- ArcelorMittal Dofasco
- Department of Fisheries and Oceans (DFO)
- Friends of Cootes to Escarpment EcoPark System
- Indigenous Communities
- McMaster University
- Ministry of Natural Resources and Forestry (MNR)
- Ministry of Transportation (MTO)
- Mohawk College
- Stelco
- Stewards of Cootes Watershed
- Stewards of Redhill Watershed
- Transport Canada (TC)

To date, the following actions have been completed:

- Inventory of Receiving Water Bodies/Watercourses (Hamilton Harbour, Cootes Paradise, Chedoke Creek, Red Hill Creek and Grindstone Marsh).
- Verification of Hamilton Water's Wastewater Asset Inventory List (CSO Storage Facilities, Flow Regulators, CSO Outfalls, Sewage Pumping Stations, Cross-Connections) including Stormwater Collection and Treatment Systems.
- Prior to April 2021, four (4) locations were sampled by EME at Chedoke Creek. Current sampling now includes four (4) additional locations at Chedoke Creek and five (5) locations at Red Hill Valley Creek, including Albion Falls. This sampling program will expand to include other proposed locations in consultation with stakeholders in 2021.
- Development of the Geographic Information System (GIS) Surface Water Monitoring Map, which currently includes water quality data for the Chedoke

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**SUBJECT: Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) - Page 5 of 6**

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Creek, Red Hill Creek and Albion Falls. The map is updated monthly and is available on the City's Website (<https://www.hamilton.ca/home-property-and-development/water-sewer/surface-water-quality-program>).

- Stakeholder Memorandums of Understanding (MOUs) have been drafted and are in the process of being signed by the respective stakeholders.

The Surface Water Quality Program Framework is under development in 2021. The framework is the starting point for the City in gaining a holistic understanding of its receiving waters and the impacts from various assets within the wastewater collection and treatment systems. It highlights Hamilton's major receiving water bodies, wastewater collection and treatment systems, internal and external stakeholder engagement and a three-phased approach of program implementation. With this framework, Hamilton's goal is to build a wider baseline understanding of water quality over time, develop open communication and transparency with various stakeholders, and respond to and investigate any water quality anomalies that may be a result of wastewater infrastructure, throughout Hamilton's Watersheds.

In Q3 2021, the draft Surface Water Quality Program Framework will be sent to the stakeholders for their review and feedback. Finalization of the framework may lead to an expansion of the Monthly Surface Water Sampling Program, with new sampling locations in identified high risk areas.

In early 2022, the first annual Surface Water Quality Report will be prepared for 2021, outlining the technical components of the SWQP, such as sampling points, water quality, trends and areas of concern identified throughout the year.

The addition of five (5) FTE's to the Hamilton Water complement is providing better visibility in the field and is setting the groundwork for a watershed management approach. However, as we move forward with a more comprehensive wastewater quality management system, developing a long-term strategy for watershed management, and planning for capital rehabilitation of aging infrastructure, additional resources may be required to support the program. Any additional staffing requirements will be brought forward as part of future Water, Wastewater, and Stormwater Rate budget deliberations.

Other CSO Facility Improvements:

Hatch was retained to identify options to improve monitoring and redundancy of critical equipment. Capital cost estimates are identified for the implementation of all options, and recommendations are made for where improved monitoring is beneficial and what option HW should implement for the identified equipment/locations.

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**SUBJECT: Enhanced Inspection and Monitoring - Hamilton Water and Wastewater (PW21019) (City Wide) - Page 6 of 6**

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Generally, the recommendations fall into four (4) categories:

- 1) Install redundant (back-up) sensors on critical gates that will help to remotely identify if a gate is not moving.
- 2) Install pressure sensors on air bladders that 'seal' critical stop gates.
- 3) Install new flow measurement devices or relocate existing flow measurement devices.
- 4) Relocate water quality sampling equipment (and in some cases eliminate sampling equipment where the resulting laboratory data is not valuable).

The study was finalized in Q2 2020 and staff has implemented a pilot installation of redundant (back-up) sensor for a critical gate at the Woodward Avenue Wastewater Treatment Plant and the results are promising to date.

HW staff also worked with AECOM throughout 2020 on the CSO Outfall Monitoring Feasibility Study (Study). The Study was undertaken to determine the feasibility and estimated costs for fully monitoring the unmonitored and partially monitored CSO locations that are not associated with CSO facility discharges. The results of the Study were reported to the May 3, 2021 Public Works Committee (Report PW19091(b)).

Next steps include combining the recommendations from the Hatch and AECOM reports to develop a capital program and corresponding budget for implementation. It is anticipated that this capital program will be included in the 2022 Water, Wastewater and Storm Rate Budget for approval, with engineering design beginning in 2022, followed by capital construction.

**APPENDICES AND SCHEDULES ATTACHED**

Appendix "A" to Report PW21019 - Summary of 2020 ECHO Program Inspections

Appendix "B" to Report PW21019 - Sample of 2020 ECHO Program Work Orders

<b>Station</b>	<b>Location</b>	<b>Inspection Date</b>
HCS04	Main/King CSO	2020-08-11
HCS02	Strachan Street Tank CSO	2020-08-31
HCS7A	Red Hill Valley CSO Pipe – Lawrence Rd.	2020-09-08
HCS7C	Red Hill Valley CSO Pipe – Barton St. East	2020-09-08
HCS7B	Red Hill Valley CSO Pipe – Queenston Rd.	2020-09-08
HCS05	Eastwood Park CSO	2020-09-08
HCS08	Royal Ave CSO	2020-09-08
HCS06	Greenhill #2 Tank CSO	2020-09-08
HCG06	Burlington & Ferguson Street Sluice Gate	2020-09-23
HCS09	McMaster University CSO Tank	2020-10-08
HCG08	Mary & Ferrie Street Sluice Gate	2020-10-13
HCG05	Lawrence / King Sluice Gate	2020-10-13
HCG04	Strathearn / Brampton Sluice Gate	2020-10-13
HCG03	Rosemary / Wentworth Sluice Gate	2020-10-13
HCG14	Burlington / Wellington waste water regulator	2020-10-13
HCS01	Greenhill Tank CSO	2020-10-13
HCG07	Ferguson & Ferrie Street Sluice Gate	2020-10-14
HD019	Glanbrook WPS - Binbrook	2020-10-20
HD024	Upcountry / Waterdown	2020-10-22
HD020	Royal Summit	2020-10-22
HC007	St. Margaret's Road South - Ancaster	2020-10-26
HC010	Sulphur Springs / Mansfield - Ancaster	2020-10-26
HDR00	Lee Smith Reservoir - Mineral Springs Road - Ancaster	2020-11-16
HC021	Sulphur Springs / Woodview - Ancaster	2020-11-16
DC007	University Gardens McMaster University	2020-11-30
DC017	Taywood / Pleasant Valley	2020-11-30
HC015	Aberdeen Avenue / Beddoe Drive	2020-11-30
HCS03	James Street Tank CSO	2020-11-30
FC003	Carl/ Thompson Drive	2021-01-03
FC001	Elgin Crescent	2021-01-03
DC006	Hillside Avenue	2021-01-03
HCG14	Burlington / Wellington waste water regulator	2021-03-03
DC008	135 King Street Dundas	2021-03-08
HCG08	Mary & Ferrie Street Sluice Gate	2021-03-09
HC053	Jerseyville / Shaver Road	2021-03-09
HC051	809 Beach Boulevard Main Station 12	2021-03-09
HC031	Beach Boulevard / Lakeside Avenue - Station 3	2021-03-09
HCL04	Glanbrook Landfill Site - Hall Road	2021-03-09
HCL02	Haldibrook Landfill Site	2021-03-09
HC002	West 31St / Scenic Drive	2021-03-09
HC059	McCollow Rd & Shippee Ave	2021-03-09

DC001	Sleepy Hollow off York Road	2021-03-09
DC016	Techpark / Innovation	2021-03-09
DC017	Taywood / Pleasant Valley	2021-03-09
DC015	Rockcliffe Road - Waterdown	2021-03-09
HC016	Winona Road / North QEW - Stoney Creek	2021-04-14

Station	Location	WO Description	Type	Status
HCS04	Main/King CSO	Broken lighting repair/replacement	Safety	Completed
HCS04	Main/King CSO	Air supply fan malfunction and repair	General	Completed
HCS04	Main/King CSO	Enhance SCADA screens with Valves, exit signs, fire extinguishers, etc.	Improvement	Work in Progress
HCS04	Main/King CSO	Chamber #2 (center channel wash) hatch doesn't secure properly - Repair	Safety	Completed
HCS04	Main/King CSO	Pull and inspect pump #3 for damages or blockages – piece of impeller housing broke, spare pump installed	Failure	Completed
HCS06	Greenhill #2 Tank CSO	Replace SCG01 inlet actuator and gearbox – Water ingress potential point of failure	Potential Failure	Completed
HCS06	Greenhill #2 Tank CSO	Replace drain valve actuator. Works electrically but not manually – potential failure	Potential Failure	Work in Progress
HCS06	Greenhill #2 Tank CSO	Verify function of pressure sustaining valve	General	Work In Progress
HCS06	Greenhill #2 Tank CSO	Replace 2" piping and valves for potable water	General	Completed
HCS06	Greenhill #2 Tank CSO	Tree removal or pruning over inlet gate and hatches – potential interference with our chambers	Pro-active	Completed
HCS06	Greenhill #2 Tank CSO	Repair fence and install access gate East side center of field – Need to coordinate with Parks and Recreation	General	Work In Progress
HCS06	Greenhill #2 Tank CSO	Check pressure reducing valves – Found part of a water meter in the valve, removed, repaired, functioning	Failure	Work In Progress
HCS09	McMaster University CSO Tank	Electrical feeds on pump # 2 and #3, identified the need to replace electrical feeds to pumps.	Potential Failure	Completed
HCG08	Mary & Ferrie Street Sluice Gate	Gate won't open >23%, over torque when trying to open adjusted and now functioning properly	Potential Failure	Completed
HC007	St. Margaret's Road South - Ancaster	Replace station actuator for louver system	General	Completed



**CITY OF HAMILTON**  
**PUBLIC WORKS DEPARTMENT**  
**Transportation Operations and Maintenance Division**  
**and**  
**PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT**  
**Transportation Planning and Parking Division**

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	June 14, 2021
<b>SUBJECT/REPORT NO:</b>	Road Safety Review and Appropriate Measures at the York Road and Newman Road Intersection (PW20071(a)/PED20196(a)) (Ward 13) <b>(Outstanding Business List Item)</b>
<b>WARD(S) AFFECTED:</b>	Ward 13
<b>PREPARED BY:</b>	George Vidovic (905) 546-2424 Ext. 4542 David Ferguson (905) 546-2424 Ext. 2433 Mike Field (905) 546-2424 Ext. 4576
<b>SUBMITTED BY:</b>	Edward Soldo Director, Transportation Operations & Maintenance Public Works Department
<b>SIGNATURE:</b>	
<b>SUBMITTED BY:</b>	Brian Hollingworth Director, Transportation Planning and Parking Planning and Economic Development Department
<b>SIGNATURE:</b>	

### RECOMMENDATION

- (a) That the concept of a new roundabout at York Road and the Highway 6 ramp Terminal, which is being studied as part of an on-going design project by the Ministry of Transportation (MTO) to address existing operational issues at the York Road off-ramp, be endorsed in principle as a design solution for this intersection;
- (b) That the City request the Ministry of Transportation (MTO) to consider a design alternative for the roundabout that incorporates a left turn lane in the westbound direction at Newman Road to improve existing and future operations at this intersection;

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**SUBJECT: Road Safety Review and Appropriate Measures at York Road and Newman Road Intersection (PW20071(a)/PED20196(a)) (Ward 13)**  
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- (c) That the estimated incremental cost of \$45,000 to expand the scope of the Ministry of Transportation (MTO) led design for the roundabout to include a left turn lane at York Road and Newman Road be funded through existing Capital Funds Project ID 4662020522 – Traffic Engineering – Signal Design 2020 and appropriated to the new Project ID 4662220522 – Transportation Engineering Design;
- (d) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor; and,
- (e) That the Outstanding Business List Item respecting Road Safety Review and Appropriate Measures at York Road and Newman Road Intersection, be considered completed and removed from the Public Works Committee Outstanding Business List.

### **EXECUTIVE SUMMARY**

On July 9, 2019, the City Planning Committee considered an application to amend Town of Dundas Zoning By-law No. 3581-86 respecting lands located at 574 Northcliffe Avenue, Dundas (PED19132). At the July 2019 meeting, a number of concerns were raised with regard to traffic operations and safety at the intersection of York Road and Newman Road. At the subsequent July 12, 2020 Council Meeting, staff were directed to initiate a road safety review and identify appropriate measures at the York Road and Newman Road Intersection.

Transportation Operations and Maintenance (TOM) has completed a safety review of York Road between Old Guelph Road and Highway 6. Based on existing conditions, the intersection of York Road and Newman Road does not meet the warrants for the installation of a traffic signal. A review of the collision history between 2014 and 2018 does not identify safety concerns.

A warrant analysis based on traffic volumes was also undertaken to assess the need for a westbound left turn lane at York Road and Newman Road. The assessment shows that a left-turn lane is warranted on York Road in the westbound direction under both existing and future conditions.

As directed by Council, Transportation Planning staff initiated discussions with the Ministry of Transportation (MTO) with regard to options to improve traffic operations and safety along York Road in the vicinity of Newman Road. Through an on-going Preliminary Design Study initiated in April 2019, the MTO has developed a design concept for a roundabout at the Highway 6 at York Road West Ramp Terminal.

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Opportunities to modify this design to include a westbound left turn lane at York Road and Newman Road are being considered.

A final improvement that will have an impact on York Road is the planned installation of a new traffic signal at Old Guelph Road. TOM staff have prepared a preliminary design for this signal and funding needs have been identified in the Capital Budget.

**Alternatives for Consideration – See Page 7**

**FINANCIAL – STAFFING – LEGAL IMPLICATIONS**

Financial: MTO has retained a consultant to design a roundabout at the York Road and the Highway 6 ramp Terminal. The scope does not include the design of a left turn lane but can be expanded to be included as per Recommendation (b). MTO has indicated that there is an additional cost estimated at \$45,000 for the design of the left turn lane which is targeted to be completed by the end of 2021. Funding will be in place to support the additional cost through an appropriation adjustment from Project ID 4662020522 –Traffic Engineering – Signal Design 2020 to new Project ID 4662220522 – Transportation Engineering Design. This does not include the construction cost for the left turn lane which would be put forth as part of the 2022 Capital Budget Process with appropriate funding sources.

Project ID 4662220223 New Traffic Signal – York Road at Old Guelph Road was planned as part of the 2020 Capital Budget process with a project start in year 2022 at a gross cost of approximately \$500,000 with a net cost of \$24,000. The majority of the project is estimated to be funded by development charges. By approving this Report, there are no financial commitments related to the new traffic signal project. The project will be put forward for approval during the 2022 Capital Budget process for Council consideration.

Staffing: N/A

Legal: N/A

**HISTORICAL BACKGROUND**

On July 12, 2019, Council approved Notice of Motion 8.1, Road Safety Review and Appropriate Measures at the York Road and Newman Road Intersection and provided the following direction:

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- (a) That staff be directed to undertake and review the intersection and road safety at the intersection of York Road and Newman Road, identify the appropriate road safety measures and report back on the feasibility of implementation measures;
- (b) That staff be directed to negotiate with the applicant of 574 Northcliffe Road to enter into a cost-share agreement to undertake a safety review for the impact of additional traffic and school buses resulting from the development application; and,
- (c) That staff be directed to liaise with the Ministry of Transportation to investigate the option to improve traffic operations and safety along York Road in the vicinity of Newman Road.

In July 2020, an application for a Niagara Escarpment Plan (NEP) Amendment by Columbia Northcliffe Campus Inc. for Lands Located at 574 Northcliffe Avenue was circulated to relevant agencies and the City of Hamilton. The applicant proposes to amend the NEP to revise a special policy that applies to 574 Northcliffe Avenue. The site-specific policy would allow the use of the former convent of the Sisters of St. Joseph as a private secondary school with a maximum of 1,000 students and 80 staff with an accessory gymnasium addition attached to the existing building.

On April 15, 2019, unrelated to the development of 574 Northcliffe, the MTO issued a Notice of Study Commencement for Proposed Intersection Improvements at Various Locations in the City of Hamilton and Halton Region Preliminary Design and Class Environmental Assessment. Five locations are being analysed as part of the study, one of which is Highway 6 at York Road West Ramp Terminal.

On November 16, 2020, Report PW20071/PED20196 respecting a Road Safety Review and Appropriate Measures at the York Road and Newman Road Intersection was placed on the agenda for Public Works Committee but was deferred to a future Public Works Committee meeting to allow staff the opportunity to meet with the Ward Councillor and review their concerns.

This Report has been updated to reflect direction provided at the November 16, 2020 Public Works Committee.

## **POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS**

N/A

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## **RELEVANT CONSULTATION**

The MTO was engaged with respect to the direction by Council to liaise with the MTO to investigate the option to improve traffic operations and safety along York Road. In addition, staff have participated in two technical meetings related to the Preliminary Design and Class Environmental Assessment for various intersections including Highway 6 at York Road West Ramp Terminal.

Staff have also had communications with the transportation consultant for Columbia College, IBI Group.

## **ANALYSIS AND RATIONALE FOR RECOMMENDATION**

York Road is classified as an arterial roadway with a rural cross section and has a posted speed limit of 60 km/h. Newman Road is a local rural roadway with a posted speed limit of 50 km/h. As shown in Appendix "A" attached to this Report PW20071(a)/PED20196(a), the neighbourhood is landlocked.

In 2019, TOM conducted a review of the intersection and the corridor of York Road. Based on existing conditions, it was determined that the intersection of York Road and Newman Road does not warrant the installation of a traffic signal (4% warranted). In a 24-hour period, 600 vehicles use Newman Road, while for the same 24-hour period, 11,000 vehicles use York Road. A review of the collision network screening rankings identified that this location has had one collision between 2014 and 2018. Overall the intersection ranks 1,875 out of 2,731 locations and does not identify a safety risk.

A review of the York Road corridor between Highway 6 and Old Guelph Road, identified that the 85<sup>th</sup> percentile speed (the speed at which 85 percent of the vehicles travel at or below) is between 67 km/h and 72 km/h. A review of the collision network screening rankings identified that this location has had a total of four collisions, all single motor vehicle collisions. Overall, this segment ranks 1,561 out of 2,731 locations and presents a minimal safety risk.

A warrant analysis based on traffic volumes was also undertaken to assess the need for a westbound left turn lane at York Road and Newman Road. The assessment shows that a left-turn lane is warranted on York Road in the westbound direction under both existing and future conditions.

Staff have previously identified the intersection of York Road and Old Guelph Road for the installation of a traffic signal (currently controlled by an all-way stop). The addition of the traffic control device will further enhance access to and from Newman Road by creating gaps in traffic for motorists.

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Concurrently, Transportation Planning have been in communication with the transportation consultant IBI Group representing the owners of 574 Northcliffe Avenue and have received a Traffic Impact Study and Road Safety Study for a potential development for up to 1,000 students. Formal comments on this TIS and Road Safety Review will be provided through the regular development review process. The analysis indicates that with the addition of site traffic, the intersection of York Road and Newman Road will operate at acceptable levels of service assuming a stop-controlled configuration.

The Road Safety Report prepared as part of the development application also identified a number of counter measures that could address speeding and other safety concerns on York Road, not necessarily related to the development. These include:

- Install a flashing overhead beacon at the York Road and Newman Road intersection, which would flash amber for York Road and red from Newman Road;
- Trim foliage along the south side shoulder of York Road to improve sightlines and intersection visibility;
- Increased speed enforcement; and,
- Re-profiling the west leg of the York Road/Newman Road intersection to remove the dip in the road.

Some of these may be achieved through planned improvements on York Road including the construction of a roundabout at the Highway 6 off-ramp and the installation of a new signal at Old Guelph Road. A final assessment of improvements resulting from the development at 574 Northcliffe Road will be completed as part of the development review process.

As noted previously, the MTO is currently in the process of investigating interchange upgrades at the York Road and Highway 6 ramp terminal. Through this process, the MTO is proposing a roundabout at the Highway 6 off ramp. TOM provided copies of the Columbia College traffic impact study to the MTO.

Evaluation by the MTO determined that it would be appropriate to install a westbound left turn lane to Newman Road. In addition, it has been mutually identified that widening of York Road to facilitate cycling infrastructure would be needed. The MTO is working on design plans to facilitate the changes to York Road and further coordination will continue.

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## **ALTERNATIVES FOR CONSIDERATION**

Public Works Committee and/or Council could provide direction to install an all-way stop or traffic signals at the intersection of York Road and Newman Road. However, based on staff evaluation of traffic volume patterns, this is not recommended. This would further require MTO approval due to the potential operating impacts of the ramp terminals.

The installation of unwarranted traffic controls can cause driver frustration, stopping compliance, and create an operational and safety concern. If Council were to direct staff to implement traffic control, the cost for implementing an all-way stop would be approximately \$3,000 or \$200,000 for a traffic signal.

## **ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN**

### **Healthy and Safe Communities**

*Hamilton* is a safe and supportive city where people are active, healthy, and have a high quality of life.

## **APPENDICES AND SCHEDULES ATTACHED**

Appendix “A” to Report PW20071(a)/PED20196(a) – York Road and Newman Road Area Map

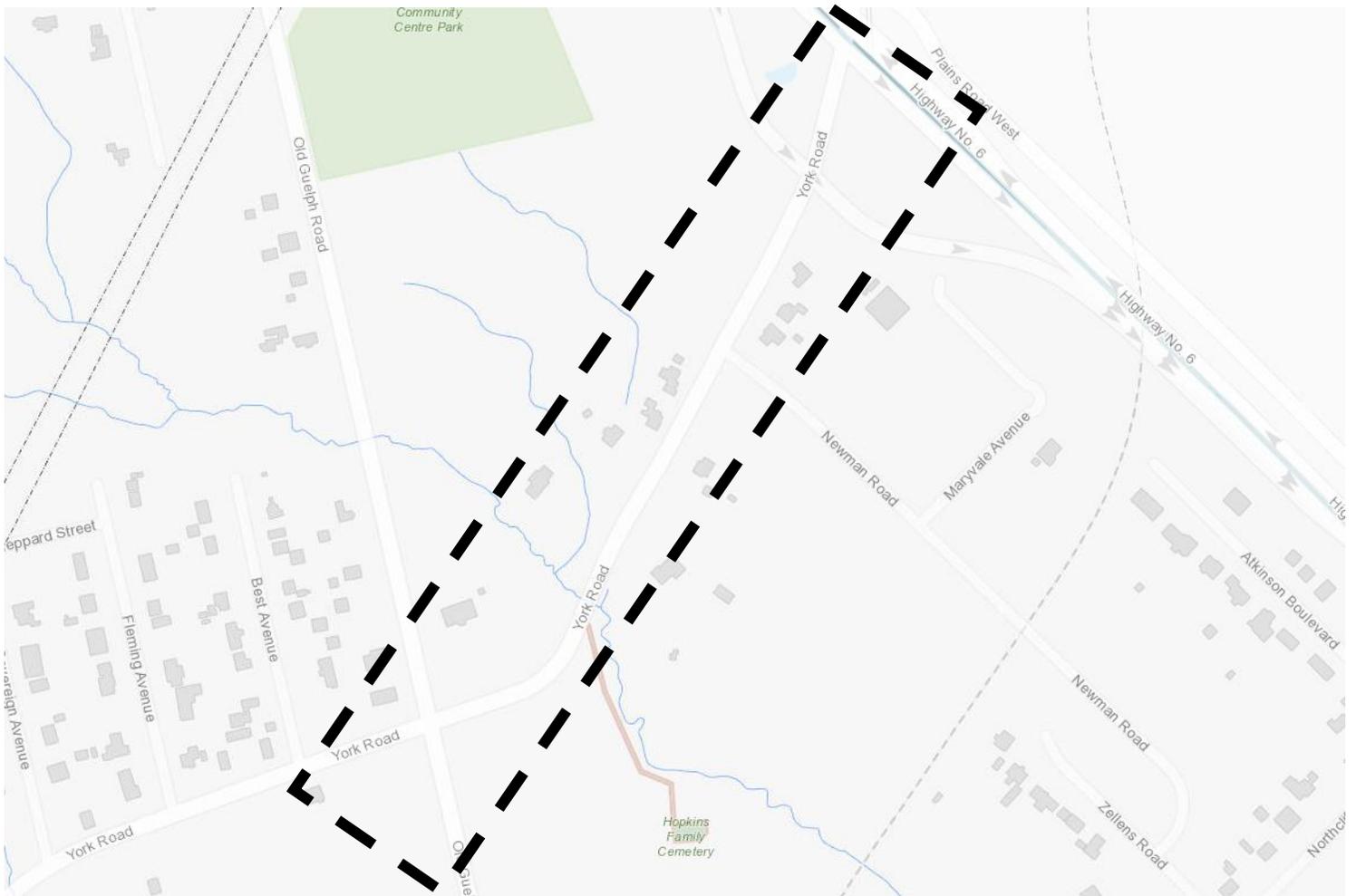
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### York and Newman Road Area Map



**10.2**

<b>CITIZEN COMMITTEE REPORT</b>
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<b>To:</b>	Public Works Committee
<b>From:</b>	Hamilton Cycling Advisory Committee  <div style="text-align: right; margin-right: 50px;">_____ Chris Ritsma, Chair</div>
<b>Date:</b>	June 14, 2021
<b>Re:</b>	Concrete Curbs on Cannon Street

**Recommendation**

- (a) That the rubber barriers and knock down bollards, located along the Cannon Street Cycle Track, be replaced with concrete curbs in locations where permanent curbs have not already been installed; and,
- (b) That Cannon Street Cycle Track barriers between James Street North and Hess Street North be replaced.

**Background**

At its March 3, 2021 meeting, the Hamilton Cycling Advisory Committee passed the following motion:

WHEREAS, Cannon Street is the most utilized cycling route in the city;

WHEREAS, Cannon Street is on a truck route;

WHEREAS, Cannon Street is a 50 km/hr road; and,

WHEREAS, Cannon Street has an eastbound lane for bicycles against a single direction of vehicular traffic.

**THEREFORE, BE IT RESOLVED:**

- (a) That the rubber barriers and knock down bollards, located along the Cannon Street Cycle Track, be replaced with concrete curbs in locations that permanent curbs have not already been installed; and,
- (b) That Cannon Street Cycle Track barriers between James Street North and Hess Street North be replaced.

## **Analysis/Rationale**

### ***Concrete Curbs on Cannon Street***

Hunter Street, Bay Street and Cannon Street West have all had concrete curbs implemented to improve safety and comfort. This was implemented partly resulting from a spike in cycling caused by the COVID-19 pandemic, and the known benefits of physical protection being a part of safe cycling infrastructure. Cannon Street East was repaired, and there were some concrete curbs implemented but there are large sections which only utilize less than desirable rubber curbs that are easily crushed, driven over and offer little incentive to not enter the bicycle lane.

City of Hamilton is a member of National Association of City Transportation Officials (NACTO) which provides best practices for urban infrastructure. NACTO suggests “In the absence of a raised median or curb, the desired width of the painted buffer is 3 ft. The buffer space should be used to locate bollards, planters, signs, or other forms of physical protection.” As Cannon Street does not have space for 3-foot painted buffers, planters, signs, or other forms of physical protection, the curb or raised median should be utilized. In this way larger size, weight, visibility of concrete curbs improves safety over smaller rubber curbs.

Ontario Traffic Book 18 provides a graph comparing posted speed limit and average daily traffic volume. Cannon Street falls well within the “Physically Separated Bikeway” need. To this end, Hamilton should strive to provide better than minimum standards for bicycle tracks. Cannon Street should be designed with all ages and abilities in mind.

Cannon Street has the highest utilization of any on-street bicycle track in the city, and it makes sense to improve safety and comfort to encourage more cyclists to use the built infrastructure and move some trips away from personal automobiles to reduce congestion and wear on our roads. This aligns with the declaration of the city to treat climate change as an existential crisis.

Cannon Street is also currently a truck route which reduces safety, as the bicycle barriers are currently very small compared to the size and weight of most trucks. Trucks on Cannon Street increase discomfort among cyclists, pushing less comfortable cyclists away from cycling or onto sidewalks where dangerous collisions with pedestrians can occur. Larger concrete curbs with additional mass will allow vulnerable cyclists to feel more comfortable. This can include less than comfortable cyclists, seniors, children, and teens. This will allow Hamilton to be the best place to raise a child and age successfully.

This is all in addition to the fact that Hamilton may soon have an e-scooter share utilizing this infrastructure, and to ensure rules are being followed, these users are even more vulnerable to less than desirable infrastructure.

### ***Cannon Street from James Street North to Hess Street North***

Since the motion was passed in March 2021, the previously planned work on the section of Cannon Street between James Street North and Hess Street North has begun. This includes repainting lines, and the installation of pre-cast concrete curbs, knock-down bollards, and planters.

# 11.1

## CITY OF HAMILTON

### MOTION

Public Works Committee: June 14, 2021

**MOVED BY COUNCILLOR T. JACKSON.....**

**SECONDED BY COUNCILLOR .....**

**Installation of Traffic Calming Measures on Mount Pleasant Drive, Hamilton (Ward 6)**

WHEREAS, the residents of Mount Pleasant Drive have submitted a 31-page petition for the installation of speed cushions on Mount Pleasant Drive to address roadway safety concerns as a result of speeding, cut-through traffic;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to install traffic calming measures on Mount Pleasant Drive (4 speed cushions) as part of the 2021 Traffic Calming program (Fall Application);
- (b) That all costs associated with the installation of traffic calming measures be funded from the Ward 6 Minor Maintenance Account at an upset limit, including contingency, not to exceed \$25,000; and,
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

# 11.2

## CITY OF HAMILTON

### MOTION

Public Works Committee: June 14, 2021

**MOVED BY COUNCILLOR L. FERGUSON.....**

**SECONDED BY COUNCILLOR A. VANDERBEEK.....**

**Gypsy Moth Control Program (City Wide)**

WHEREAS, European Gypsy Moth (*Lymantria dispar dispar*) is a non-native, invasive pest to Ontario that defoliates many tree species;

WHEREAS, year on year defoliation of the trees by the European Gypsy Moth caterpillars may lead to tree mortality; and,

WHEREAS, areas of the City of Hamilton are currently experiencing infestations of European Gypsy Moth;

THEREFORE, BE IT RESOLVED:

- (a) That staff be directed to monitor European Gypsy Moth outbreaks in the City of Hamilton, including, but not limited to, rural areas, through egg mass counts in 2021 and develop a 2022 control program and report back to the Public Works Committee for approval; and,
- (b) That staff be directed to create a Capital funding detail sheet for a European Gypsy Moth Control Program to be considered as part of the 2022 capital budget process in preparation for aerial spraying and / or other methods of control the Spring of 2022.

# 11.3

# CITY OF HAMILTON

## MOTION

Public Works Committee: June 14, 2021

**MOVED BY COUNCILLOR J. FARR.....**

**SECONDED BY COUNCILLOR .....**

**James Street North Boulevard Conversion & Street Tree Planting (Ward 2)**

WHEREAS, there is interest from Ward 2 residents in increasing the urban tree canopy on James Street North; and,

WHEREAS, the City of Hamilton has declared a climate emergency and tree planting and increasing the urban tree canopy provides many environmental benefits to the residents of the City of Hamilton such as, reducing heat island effects, reducing storm water peak flow, improving air quality and supporting biodiversity;

THEREFORE, BE IT RESOLVED:

- (a) That staff be directed to remove the City owned asphalt boulevard surface between 529 and 539 James Street North and install street trees and sod at a cost of \$35,700 to be funded from Ward 2 Capital Re-Investment Discretionary Fund (#3302109200); and,
- (b) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

# 11.4

## CITY OF HAMILTON

### MOTION

Public Works Committee: June 14, 2021

**MOVED BY COUNCILLOR J. FARR.....**

**SECONDED BY COUNCILLOR .....**

#### **Improving Truck Route Detouring during Construction Closures**

WHEREAS, a recent truck route detour submitted by a third-party contractor and signed off on by City of Hamilton Public Works staff failed to prevent many large trucks from entering residential streets in the North End;

WHEREAS, trucks that ignored detour sign notices and pylons and entered the residential streets created grave public safety concerns for residents who, along with their ward councillor, regularly witnessed large trucks maneuver through narrow passages, tight turns and one truck even downed power lines;

WHEREAS, no confirmed enforcement appeared to be in place ahead of the construction project. Instead, enforcement appeared only to be requested as a reaction to the unsafe disruption caused by the illegal cut-throughs by trucks. By that time, limited police resources prevented any consistent enforcement practice. This despite what appears to be a policy of required police enforcement for only some types of construction works in Hamilton and not others; and,

WHEREAS, having a proper and proactive detour plan that covers all eventualities including, but not limited to trucks cutting through residential neighbourhoods, is sound public safety policy;

THEREFORE, BE IT RESOLVED:

- (a) That the appropriate City of Hamilton staff from Public Works be requested to investigate and report back to Public Works Committee on how the detour plan failed the residents of the North End Neighbourhood during the weekdays of June 7<sup>th</sup> through the 11<sup>th</sup>, 2021 and related to the CN rail repairs that closed Wellington Street North; and,
- (b) That the appropriate City of Hamilton staff from Public Works be requested to report back on measures to enhance the detour process thus ensuring proactive

**Motion respecting Improving Truck Route Detouring during Construction Closures**  
**Page 2 of 2**

public safety and that for future, no trucks ever have an option to illegally cut through a residential neighbourhood during a construction detour period; as is the rule at any other time.

# 11.5

## CITY OF HAMILTON

### MOTION

Public Works Committee: June 14, 2021

**MOVED BY COUNCILLOR E. PAULS.....**

**SECONDED BY COUNCILLOR .....**

**Purchase of 5 Digital Speed Signs (DSS) for Ward 7**

WHEREAS, there is an increase in residents requesting the installation of DSS boards throughout Ward 7 to address roadway safety concerns as a result of speeding, cut-through traffic; and,

WHEREAS, there are growing resource impacts on Transportation Operations and Maintenance for equipment;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to purchase 5 digital speed sign (DSS) boards for use throughout Ward 7, at the discretion of the Ward 7 Councillor;
- (b) That all costs associated with the purchase of 5 digital speed sign (DSS) boards be funded from the Ward 7 Capital Re-Investment Discretionary Fund (#3302109700) at an upset limit, including contingency, not to exceed \$20,000; and,
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.