



City of Hamilton
PUBLIC WORKS COMMITTEE
AGENDA

Meeting #: 24-006
Date: May 13, 2024
Time: 1:30 p.m.
Location: Council Chambers
Hamilton City Hall
71 Main Street West

Carrie McIntosh, Legislative Coordinator (905) 546-2424 ext. 2729

	Pages
1. CEREMONIAL ACTIVITIES	
2. APPROVAL OF AGENDA (Added Items, if applicable, will be noted with *)	
3. DECLARATIONS OF INTEREST	
4. APPROVAL OF MINUTES OF PREVIOUS MEETING	
4.1 April 29, 2024	3
5. COMMUNICATIONS	
6. DELEGATION REQUESTS	
7. DELEGATIONS	
7.1 Steven Oliver respecting the Bollards on Fellowes Crescent (Approved April 2, 2024)	10
8. STAFF PRESENTATIONS	
9. CONSENT ITEMS	

9.1	Removal of Roadway Bollards on Fellowes Crescent (PW24026) (Ward 15)	12
9.2	Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)	17
10.	PUBLIC HEARINGS	
11.	DISCUSSION ITEMS	
12.	MOTIONS	
12.1	Installation of Speed Cushions as a Traffic Calming Measure on Fellowes Crescent (Ward 15)	23
12.2	Improvements to Hampton Park, 28 Lupin Avenue, Hamilton (Ward 6)	24
12.3	Corman Park Path Replacement, 23 Teak Street, Hamilton (Ward 10)	26
13.	NOTICES OF MOTION	
14.	GENERAL INFORMATION / OTHER BUSINESS	
15.	PRIVATE AND CONFIDENTIAL	
16.	ADJOURNMENT	



PUBLIC WORKS COMMITTEE MINUTES 24-005

1:30 p.m.

Monday, April 29, 2024

Council Chambers

Hamilton City Hall

71 Main Street West

Present: Councillors M. Spadafora (Chair), A. Wilson (Vice-Chair) J. Beattie, C. Cassar, J. P. Danko, M. Francis, T. Jackson, C. Kroetsch, T. McMeekin, N. Nann, E. Pauls and M. Tadeson

Absent with

Regrets: Councillors T. Hwang and M. Wilson – City Business

THE FOLLOWING ITEMS WERE REFERRED TO COUNCIL FOR CONSIDERATION:

1. **Transit Ridership on the HSR (PW24024) (City Wide) (Outstanding Business List Item) (Item 9.1)**

(Nann/Cassar)

That Report PW24024, respecting Transit Ridership on the HSR, be received.

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Yes – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

2. Annual Watermain Break Report (City Wide) (PW24013) (Item 9.2)**(A. Wilson/Cassar)**

That Report PW24013, respecting Annual Watermain Break Report, be received.

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Yes – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

3. Accessible Transportation Services Performance Report (PW22079(f)) (City Wide) (Item 9.3)**(Tadeson/Francis)**

That Report PW22079(f), respecting Accessible Transportation Services Performance Report, be received.

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Yes – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

4. Telecommunications Industry Investments in the City (PW20003(a)) (City Wide) (Item 11.1)**(Pauls/Cassar)**

- (a) That the General Manager, Public Works or designate be authorized to extend, on behalf of the City, an agreement with Bell Canada ("Bell") to facilitate Bell's expansion of their fibre optic network throughout the City of Hamilton (the "Project"), in a form acceptable to the City Solicitor; and
- (b) That, in accordance with the City's Budgeted Complement Control Policy, the extension of additional temporary Full-Time Employees (FTEs) to the complement of the Engineering Services Division, for up to an additional 24 months, all at Bell's cost, be approved to facilitate the completion of the Bell's Project such that there is no impact on the tax levy.

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Yes – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

FOR INFORMATION:**(a) APPROVAL OF AGENDA (Item 2)**

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

5. COMMUNICATIONS

- 5.1 Correspondence from Mark Anderson, Co-Chair Cycle Hamilton, respecting Item 12.1, Dewitt Road and Vicinity Cycling Infrastructure (Ward 10) - WITHDRAWN

Recommendation: Be received and referred to the consideration of Item 12.1

6. DELEGATION REQUESTS

- 6.1 Chris Ritsma respecting Item 12.1, Dewitt Road and Vicinity Cycling Infrastructure (Ward 10) (for today's meeting) - WITHDRAWN

12. MOTIONS

- 12.1 Dewitt Road and Vicinity Cycling Infrastructure (Ward 10) - WITHDRAWN

(A. Wilson/Nann)

That the Agenda for the April 29, 2024, Public Works Committee meeting be approved, as amended.

Result: MOTION, CARRIED by a vote of 11 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Not Present – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

(b) DECLARATIONS OF INTEREST (Item 3)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF PREVIOUS MEETING (Item 4)

(i) April 2, 2024 (Item 4.1)

(Pauls/McMeekin)

That the Minutes of the April 2, 2024, meeting of the Public Works Committee be approved, as presented.

Result: MOTION, CARRIED by a vote of 11 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann
 Not Present – Ward 5 Councillor Matt Francis
 Not Present – Ward 4 Councillor Tammy Hwang
 Yes – Ward 6 Councillor Tom Jackson
 Yes – Ward 7 Councillor Esther Pauls
 Yes – Ward 8 Councillor John Paul Danko
 Yes – Ward 10 Councillor Jeff Beattie
 Yes – Ward 11 Councillor Mark Tadeson
 Yes – Ward 12 Councillor Craig Cassar
 Yes – Ward 13 Councillor Alex Wilson
 Yes – Ward 14 Councillor Mike Spadafora
 Yes – Ward 15 Councillor Ted McMeekin

(d) GENERAL INFORMATION / OTHER BUSINESS (Item 14)**(i) Amendments to the Outstanding Business List (Item 14.1)****(Cassar/Pauls)**

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

- (1) Items Considered Complete and Needing to be Removed (Item 14.1(a))
 - (i) HSR Ridership Recovery (Item 14.1(a)(a))
Addressed as Item 9.1 on today's agenda - Report PW24024 (City Wide)
 - (ii) Increased Service Levels for Litter Collection (City Wide) (Item 14.1(a)(b))
Completed December 4, 2023 - Report PW23076 (City Wide)
- (2) Items Requiring a New Due Date (Item 14.1(b))
 - (i) Environmentally Sustainable Solutions for Food Trucks in Bayfront (and other Park(s))
Current Due Date: Q4 2024
Proposed New Due Date: Q4 2025

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
 Yes – Ward 2 Councillor Cameron Kroetsch
 Yes – Ward 3 Councillor Nrinder Nann

Yes – Ward 5 Councillor Matt Francis
Not Present – Ward 4 Councillor Tammy Hwang
Yes – Ward 6 Councillor Tom Jackson
Yes – Ward 7 Councillor Esther Pauls
Yes – Ward 8 Councillor John Paul Danko
Yes – Ward 10 Councillor Jeff Beattie
Yes – Ward 11 Councillor Mark Tadeson
Yes – Ward 12 Councillor Craig Cassar
Yes – Ward 13 Councillor Alex Wilson
Yes – Ward 14 Councillor Mike Spadafora
Yes – Ward 15 Councillor Ted McMeekin

(h) ADJOURNMENT (Item 16)

(Cassar/A. Wilson)

That there being no further business, the Public Works Committee meeting be adjourned at 2:05 p.m.

Result: MOTION, CARRIED by a vote of 12 to 0, as follows:

Not Present – Ward 1 Councillor Maureen Wilson
Yes – Ward 2 Councillor Cameron Kroetsch
Yes – Ward 3 Councillor Nrinder Nann
Yes – Ward 5 Councillor Matt Francis
Not Present – Ward 4 Councillor Tammy Hwang
Yes – Ward 6 Councillor Tom Jackson
Yes – Ward 7 Councillor Esther Pauls
Yes – Ward 8 Councillor John Paul Danko
Yes – Ward 10 Councillor Jeff Beattie
Yes – Ward 11 Councillor Mark Tadeson
Yes – Ward 12 Councillor Craig Cassar
Yes – Ward 13 Councillor Alex Wilson
Yes – Ward 14 Councillor Mike Spadafora
Yes – Ward 15 Councillor Ted McMeekin

Respectfully submitted,

Councillor M. Spadafora, Chair,
Public Works Committee

Carrie McIntosh
Legislative Coordinator

**Public Works Committee
Minutes 24-005**

**April 29, 2024
Page 7 of 7**

Office of the City Clerk

Submitted on Wed, 02/14/2024 - 08:13

Submitted by: Anonymous

Submitted values are:

Committee Requested

Committee
Public Works Committee

Will you be delegating in-person or virtually?
In-person

Will you be delegating via a pre-recorded video?
No

Requestor Information

Requestor Information
Steven Oliver



Preferred Pronoun
he/him

Reason(s) for delegation request

I have accepted, from Carolyn Ryall, the opportunity to present and speak, on March 18th, 2024, to an Item of concern that the Public Works Roads/Transportation is reviewing regarding their intent to remove the bollards on Fellowes Cres that were placed on our street, around 2016 in response to the residence concerns about future traffic from unbuilt homes planned in the vacant field at the end of Fellowes Cres, at the time located next to 229 Fellowes Cres. I will be addressing the wording of the 2015 motion that specified the criteria of the Fellowes Cres closure. I was the original proponent that represented the neighbours in 2014 and I presented at that time, on Feb 18, 2014, to City Council. It is our assertion that the motion criteria is still not fulfilled to begin considering the removal of the road bollards and I will present evidence that supports our assertion. The bollards were installed to mitigate future traffic from the new homes and from construction disruptions of Parkside Drive from a 2 lane to a 4 lane road that would also include sidewalks. This 4 lane section of planned road stretches from Avonsyde Blvd just east of our homes to approximately Victoria Ave west of the grindstone creek and railway crossing. Approximately 2 km. Unfortunately, due to delays, the Parkside Construction has been deferred to a future date and this has

occurred a number of times and the primary cause is likely the COVID era.

I wish to repeat that this is a request to present on March 18, 2024 at the Public Works Subcommittee.

Will you be requesting funds from the City?

No

Will you be submitting a formal presentation?

Yes



INFORMATION REPORT

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	May 13, 2024
SUBJECT/REPORT NO:	Removal of Roadway Bollards on Fellowes Crescent (PW24026) (Ward 15)
WARD(S) AFFECTED:	Ward 15
PREPARED BY:	Adrienne Kupchanko (905) 546-2424 Ext. 5516
SUBMITTED BY:	Carolyn Ryall Director, Transportation Division Public Works Department
SIGNATURE:	

COUNCIL DIRECTION

On March 26, 2014, the Planning Committee Report 14-004 provided the following direction:

Whereas the residential development on Fellowes Crescent, Waterdown is an existing mature neighbourhood built in the 1980's; and

Whereas there are significant traffic and parking issues on the existing section of Fellowes Crescent; and

Whereas the proposed extension of Fellowes Crescent to connect with the new Mattamy development will result in increased traffic from 71 new units having access into the older neighbourhood;

Therefore be it resolved:

- (a) That the interface between the existing Fellowes Crescent and the proposed extension of Fellowes to the new development to the East remain closed to vehicle access and allow only pedestrian access, to be monitored once:
 - (i) The residential construction and abutting land use is completed;

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

**SUBJECT: Removal of Roadway Bollards on Fellowes Crescent (PW24026)
(Ward 15) – Page 2 of 4**

- (ii) The proposed supporting transportation infrastructure i.e., Parkside Drive improvements; Bypass corridor between Dundas Street and Parkside Drive are completed and functional.
- (b) Pedestrian access on the existing Fellowes Crescent through the extension will be constructed to include bollard barricades and maintained by the developer satisfactory to the city growth management staff.

Information Report PW24026 serves as an update and rationale on the removal of bollards.

INFORMATION

At the Planning Committee meeting in 2014, a motion to have developer Mattamy Homes install and maintain temporary bollards on Fellowes Crescent in Waterdown, was put forward and approved. The purpose of these bollards was to prevent the existing portion of Fellowes Crescent from being used as a vehicular pass through during the development of the Fellowes Crescent extension (Appendix “A” to Report PW24026 for location map).

In 2016, the bollards were installed. Development works by Mattamy Homes (referred to as UpCountry Phase 1A and 1B) were subsequently completed in 2016 and 2018, respectively.

Regarding supporting infrastructure, Avonsyde Boulevard (between Dundas Street to Parkside Drive) was constructed by a developer in 2018 and is fully functional. Avonsyde Boulevard serves as a connecting minor arterial road between Dundas Street and Parkside Drive to move relatively large volumes of traffic at medium to high speeds, circumventing circulatory roads within subdivisions. The City is also planning to widen Parkside Drive from Avonsyde Boulevard to Centre Road, beginning as early as 2025 as part of a capital reconstruction program.

Preliminary conversations with the Engineering Services Division indicate that there will be partial and/or full lane closures depending on the works to be constructed. This reconstruction work will result in a detour; however, Fellowes Crescent is not a logical detour route, nor is it a convenient cut-through route. Detours will be monitored and adjusted accordingly to ensure drivers adhere to the designated route.

Due to ongoing operational concerns and this being the only residential street in the City of Hamilton with bollards across the street to stop through traffic, the Transportation Division issued a letter informing abutting homeowners on Fellowes Crescent of the planned removal of bollards on October 4, 2023. The letter was met with concerns from residents regarding perceived increased traffic and safety issues related to the removal

**SUBJECT: Removal of Roadway Bollards on Fellowes Crescent (PW24026)
(Ward 15) – Page 3 of 4**

of the bollards. As well, some residents do not agree the terms of the motion have been satisfied. The removal of bollards, which were slated to be completed in November 2023 was placed on hold to allow time to review and address public concern.

The Transportation Division believes all terms of the motion from March 26, 2014, have been satisfied as:

- The residential construction of Mattamy Homes (UpCountry Phase 1A and 1B) is complete; and
- The bypass corridor between Dundas Street and Parkside Drive (Avonsyde Boulevard) is complete and functional.

The existing temporary bollards introduce operational challenges for City maintenance vehicles. The vehicles are unable to proceed through the subdivision and need to reverse out of Fellowes Crescent. Reversing large vehicles increases safety risks since the driver's field of vision is limited when backing up due to blind spots. Additionally, reversing around corners requires the use of a back-up spotter to ensure safe operations, which is not always available. It is best practise to avoid reversing large maintenance vehicles as much as reasonably possible.

Snow removal operations on Fellowes Crescent has also required additional resources because of the bollards. Specialized snow clearing equipment is required to maneuver the constraints created by the bollards, rather than utilizing traditional snow clearing methods. Therefore, removing the bollards would simplify winter operations, provide cost efficiencies, and improve safety.

On February 6, 9 and 21, 2024, the Director of Transportation had conversations with residents on Fellowes Crescent to discuss future potential safety measures to be installed with the bollard's removal, including but not limited to:

- Installation of a temporary dynamic speed sign(s)
- Placement of speed cushion(s)
- Extension to "no stopping" and "no parking" areas along Fellowes Crescent (in consultation with residents and Parking Operations)
- Painting of pavement markings (i.e. hatch marks in no stopping/no parking areas)
- Additional signage per Ontario Traffic Manual

The Transportation Division does not anticipate any negative impacts on traffic operations or safety with the removal of the bollards. However, staff will monitor the location once the bollards are removed and should speeding and/or cut-through concerns occur, further mitigation options would be considered and implemented as needed.

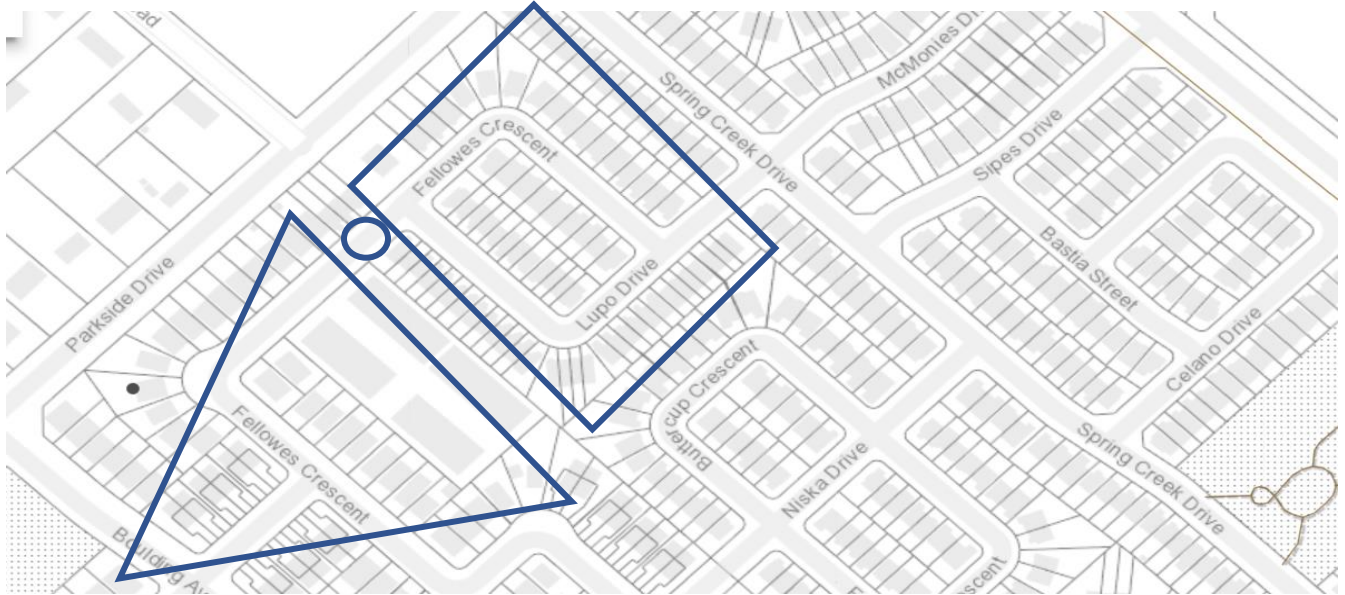
**SUBJECT: Removal of Roadway Bollards on Fellowes Crescent (PW24026)
(Ward 15) – Page 4 of 4**




The Transportation Division plans to remove the bollards on Fellowes Crescent in second quarter, 2024. Residents on Fellowes Crescent and the Ward Councillor will be issued a letter with dates and details prior to their removal.

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to Report PW24026 – Fellowes Crescent Location Map

Fellowes Crescent Location Map



LEGEND	
	Location of Bollards
	Existing Development
	UpCountry Phase 1A and 1B

Streetview Photograph of Bollards





INFORMATION REPORT

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	May 13, 2024
SUBJECT/REPORT NO:	Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Deborah Goudreau (905) 546-2424 Ext. 4606
SUBMITTED BY:	Shane McCauley Director, Water & Wastewater Operations Public Works Department
SIGNATURE:	

COUNCIL DIRECTION

In 2019 Council directed Hamilton Water to provide the Public Works Committee with an annual report on discharges to the natural environment from the Dundas and Woodward Wastewater Treatment Plants.

INFORMATION

Report PW24028 details the bypass frequency and volume for the Woodward and Dundas Wastewater Treatment Plants for 2023 and provides the five-year average for each. Report PW24028 also provides similar data from other Ontario municipalities that publicly report wastewater treatment plant bypass information. The City of Hamilton's (City) website features a live map of bypass and combined sewer overflow locations and a historical log of wastewater treatment plant bypass and combined sewer overflow events (<https://www.hamilton.ca/home-neighbourhood/water-wastewater-stormwater/wastewater-collection-treatment/monitoring>). The site is currently unavailable due to the on-going cybersecurity incident but will be made available once full services have been restored.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
– Page 2 of 6

Wastewater Treatment Plant Discharges

The City operates two wastewater treatment plants. The Woodward Wastewater Treatment Plant is located at 700 Woodward Avenue, Hamilton, and discharges to the Red Hill Creek. The Dundas Wastewater Treatment Plant is located at 135 King Street East, Dundas and discharges to the Desjardins Canal. Both discharge locations are connected to the Hamilton Harbour.

The City has a large complex wastewater collection network consisting of both separated sewer and combined sewer systems. Combined sewers are found in older areas of the City and carry a combination of stormwater and wastewater in the same pipe. During periods of heavy rainfall, snowmelt, or elevated lake levels the combined sewers may be inundated with large volumes of stormwater that can exceed the capacity of the pipes.

This can result in combined sewer overflows and can also overwhelm the wastewater treatment plants requiring a temporary bypass of different treatment processes. Wastewater treatment plant operators monitor incoming flows and make operational adjustments to the treatment processes as required. To protect the wastewater treatment plant from infrastructure damage, prevent flooding, and maintain compliance with the Wastewater Treatment Plant Environmental Compliance Approval (ECA) the operator will initiate a bypass when required.

Woodward Wastewater Treatment Plant

At the Woodward Wastewater Treatment Plant, a bypass can occur at various stages in the wastewater treatment process. In 2023, there were four different levels of treatment bypass that could occur at the Woodward Wastewater Treatment Plant as described in the following table.

Table 1 - Treatment Levels of Bypass Locations at the Woodward Wastewater Treatment Plant

Bypass Type and Location	Treatment Processes Bypassed
Secondary treatment bypass (secondary bypass gate)	Secondary and tertiary treatment processes including aeration, secondary clarification, and filtration. Bypasses receive chlorine disinfection between May 15 and October 15.
Primary treatment bypass with disinfection (primary bypass gate)	Primary, secondary, and tertiary treatment processes including primary clarification, aeration, secondary clarification, and filtration. Bypasses receive chlorine disinfection between May 15 and October 15.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
– Page 3 of 6

Primary treatment bypass without disinfection (headworks bypass gate)	Primary, secondary, and tertiary treatment processes including primary clarification, aeration, secondary clarification, and filtration. Bypasses do not receive chlorine disinfection.
Preliminary treatment bypass (pumphouse bypass)	All processes at the Wastewater Treatment Plant are bypassed. Bypasses do not receive chlorine disinfection.

Since the completion of infrastructure upgrades in 2012 most bypass events have been secondary bypasses. Occasionally, flows to the Woodward Wastewater Treatment Plant are sufficiently large that both a primary bypass and a secondary bypass must be initiated at the same time. On rare occasions, a preliminary treatment bypass may be required where flows exceed the preliminary treatment capacity, or where flows risk flooding and causing damage to surrounding properties, the main pumping station, or other wastewater treatment plant infrastructure.

In 2023, all bypass events at the Woodward Wastewater Treatment Plant were the result of wet weather that generated flows greater than the wastewater treatment plant's treatment capacity. Bypasses are promptly reported to the Ministry of Environment, Conservation, and Parks Spills Action Centre and to Public Health Services as required by regulation.

In October 2022, a new Woodward Wastewater Treatment Plant outfall was commissioned to accommodate the new tertiary treatment process. This new outfall discharges further upstream of the former location and discharges fully treated effluent.

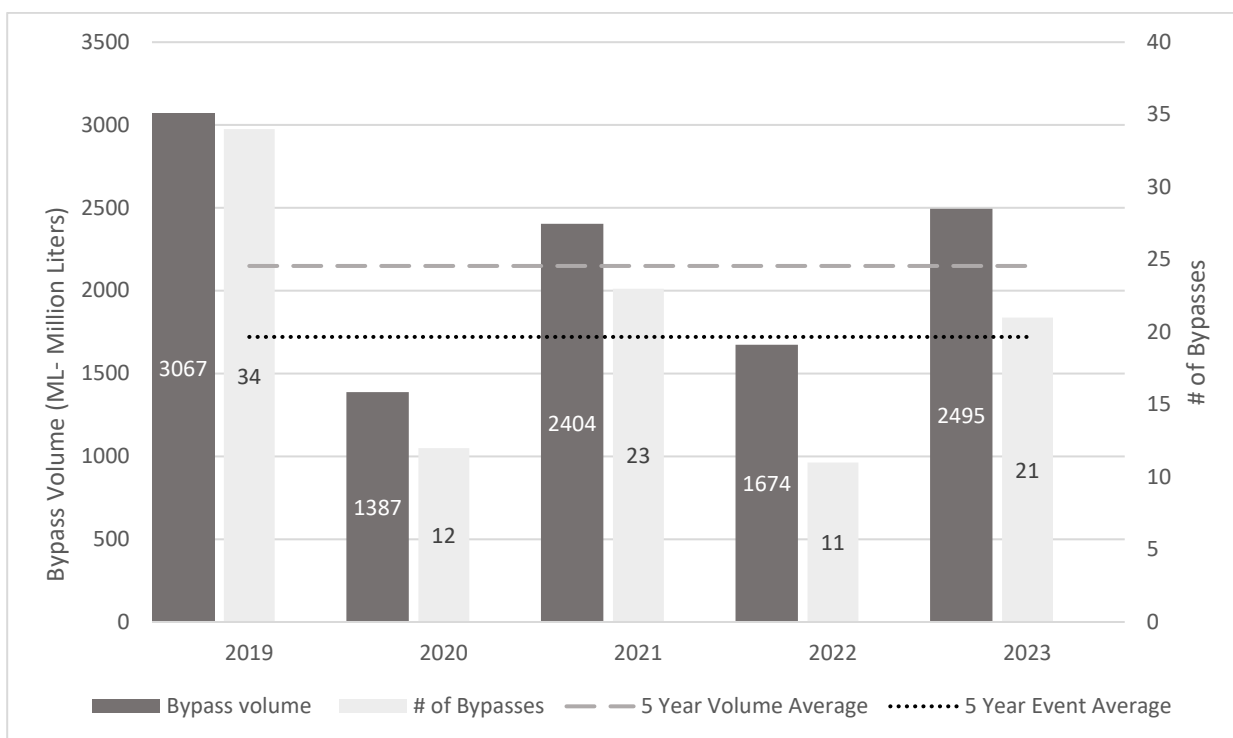
The old outfall is now the discharge point for partially treated wastewater from bypasses. It is important to note that this location also receives flows from the Dunn Avenue combined sewer overflow outfall. There is a floating containment boom installed and if abnormal materials such as floatables are present, it is highly probable that they originated from the Dunn Avenue combined sewer.

Both Woodward Wastewater Treatment Plant outfall locations are inspected regularly and after every significant wet weather event or bypass event. Any abnormal materials such as floatables that are present are removed by staff or a City contractor.

The 2023 Woodward Wastewater Treatment Plant bypass event data is presented in the following chart along with the five-year average for comparison.

SUBJECT: Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
– Page 4 of 6

Figure 2 - Woodward Wastewater Treatment Plant Bypass Frequency and Volume



2023 was a wetter than normal year with approximately 10% more precipitation than the 5-year average. Additionally, the precipitation in 2023 was characterized by high-intensity rainstorms, particularly concentrated during the spring/summer months. Intense weather events are more likely to overwhelm the combined system capacity and lead to bypass events. As a result, and as shown in the Figure 2 above, both the number bypass events, and the total volume bypassed were above the 5-year averages. Of the 21 bypass events in 2023, 17 were secondary bypasses and four were primary bypasses without disinfection.

Dundas Wastewater Treatment Plant

Flows from the Dundas Wastewater Treatment Plant are carefully controlled and any flows exceeding the plant's capacity are directed to the Woodward Wastewater Treatment Plant rather than initiating a bypass at the Dundas Wastewater Treatment Plant. A bypass could occur at the Dundas Wastewater Treatment Plant if wastewater treatment plant operators are unable to divert flow quickly enough. In this case a bypass would be a tertiary bypass. A tertiary bypass means the wastewater has been almost fully treated including the removal of large solids, grit, and floatable material, chemicals have been added to assist with phosphorus removal, biological treatment has been completed to break down organic material and nutrients, and most of the remaining

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
– Page 5 of 6

solids have been removed. Between May 15 and October 15 each year, any tertiary bypasses that occur would also receive chlorine disinfection; however, would not have the chlorine removed prior to being discharged to the natural environment. The Dundas Wastewater Treatment Plant had no bypass events in 2023 and has not had a bypass in the last seven years.

Municipal Comparison

Council requested at the January 13, 2020, Public Works Committee meeting, that available wastewater treatment plant bypass volumes for comparable municipalities be presented along with the bypass data for Hamilton's Wastewater Treatment Plants. The table below provides this data for Hamilton along with other Ontario municipalities that publicly report wastewater treatment plant bypasses. It should be noted that many comparator municipalities do not report this data publicly. Furthermore, direct comparisons between municipalities cannot be easily made as all collection systems and treatment facilities are unique and higher bypass volumes do not necessarily indicate poorer performance.

Table 3 - Municipal Wastewater Treatment Plant Bypass Volume Comparison in Millions of Litres

		Total Bypass Volume (Millions of Litres)	
Municipality	Number of Wastewater Treatment Plants	2022	2023
Hamilton	2	1,674	2,495
Kingston	3	12	4
London	5	48	605
Greater Sudbury	10	223	1,240
Niagara Region	11	1,314	2,042
Toronto	4	2,721	5,172

The City of Hamilton along with the City of Kingston are the only known municipalities in Ontario who report overflows and bypasses publicly in real-time. The City's webpage which shows real-time overflows and bypasses (www.hamilton.ca/home-neighbourhood/water-wastewater-stormwater/wastewater-collection-treatment/monitoring) and houses historical data on Hamilton's wastewater overflows and bypasses, was launched in June 2020. The site is currently unavailable due to the on-going cybersecurity incident but will be made available once full services have been restored.

SUBJECT: Annual Wastewater Treatment Bypass Report (PW24028) (City Wide)
– Page 6 of 6

APPENDICES AND SCHEDULES ATTACHED

N/A

12.1

CITY OF HAMILTON

MOTION

Public Works Committee: May 13, 2024

MOVED BY COUNCILLOR T. MCMEEKIN.....

SECONDED BY COUNCILLOR

Installation of Speed Cushions as a Traffic Calming Measure on Fellowes Crescent (Ward 15)

WHEREAS, the City of Hamilton has adopted a Vision Zero approach which considers human error as part of the roadway safety equation; and

WHEREAS, Ward 15 residents on Fellowes Crescent have advocated for traffic calming in their neighbourhood to address roadway safety concerns once bollards are removed with a potential for speeding and cut-through traffic.

THEREFORE, BE IT RESOLVED:

- (a) That the Transportation Division be authorized and directed to install 1 speed cushion as a traffic calming measure on Fellowes Crescent in the same location that temporary bollards were installed as part of the 2024 Traffic Calming program’s spring application;
- (b) That all costs associated with the installation of traffic calming measures at be completed through the CP Minor Maintenance Ward 15 account 4031911615 at an upset limit, including contingency, not to exceed \$5,000;
- (c) That the Transportation Division examine the implementation of temporary dynamic speed signs, extension to “no stopping” and “no parking”, hatch mark pavement markings in the no stopping/no parking area, and additional signage per the Ontario Traffic Manual in the general proximity of where the temporary bollards were installed to further promote traffic calming; and
- (d) That the General Manager of Public Works 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.

12.2

CITY OF HAMILTON

MOTION

Public Works Committee: May 13, 2024

MOVED BY COUNCILLOR T. JACKSON.....

SECONDED BY COUNCILLOR.....

Improvements to Hampton Park, 28 Lupin Avenue, Hamilton (Ward 6)

WHEREAS, a new Hampton Park Citizens Committee has been established and is working with the Ward 6 Councillor’s office to support and inform improvements to Hampton Park, 28 Lupin Avenue, Hamilton;

WHEREAS, a previous motion was brought forward and approved by Council on January 16, 2023, to fund the playground replacement at Hampton Park, 28 Lupin Avenue, Hamilton, at a cost of \$250,000 including contingency, out of the Ward 6 Capital Re-Investment Reserve (#108056);

WHEREAS, following community engagement regarding the new playground design, the Hampton Park Citizens Committee has expressed desire for enhanced accessibility within the new playground, which currently includes the use of engineered wood fiber safety surfacing;

WHEREAS, engineered wood fiber safety surfacing meets Ontario accessibility standards; however, it may be a challenging surface for some residents to navigate depending on mobility devices and mobility levels;

WHEREAS, in order to provide enhanced accessibility within the new playground, a rubberized safety surface would increase mobility access;

WHEREAS, additional funding is required to support this safety surface enhancement; and

WHEREAS, this ongoing project is currently within the Parks & Cemeteries work plan, and this funding enhancement/change in scope will not result in any project delays or additional work for staff.

THEREFORE, BE IT RESOLVED:

- (a) That the supply and installation of rubberized safety surfacing within the playground at Hampton Park, 28 Lupin Avenue, Hamilton, be funded from the Ward 6 Capital Re-Investment Reserve (#108056), at an upset limit including contingency not to exceed \$250,000 be approved; and
- (b) That the General Manager of Public Works be authorized and directed to approve and execute any and all required agreements and ancillary documents, in a form satisfactory to the City Solicitor, related to the supply and installation of rubberized safety surfacing at Hampton Park, 28 Lupin Avenue, Hamilton.

12.3

CITY OF HAMILTON

MOTION

Public Works Committee: May 13, 2024

MOVED BY COUNCILLOR J. BEATTIE.....

SECONDED BY COUNCILLOR.....

Corman Park Path Replacement, 23 Teak Street, Hamilton (Ward 10)

WHEREAS, the existing park pathway, which does not meet current width standards and is end-of-life condition, poses a health and safety risk;

WHEREAS, there is no capital funding to support the full replacement of this park asset, and additional funding is needed to support the full replacement of the park pathway system;

WHEREAS, this work will be undertaken by the Parks Section capital team and because of the poor condition and risk for users, the work will be added to the existing work plan and ongoing projects; and

WHEREAS, resources are limited, and this work will be initiated in 2024, and may be prioritized above other works underway because of the risk component of the work. This schedule may vary due to unforeseen challenges such as procurement timing, supply chain issues, weather, etc.

THEREFORE, BE IT RESOLVED:

- (a) That the replacement of the pedestrian pathway at Corman Park, 23 Teak Street, Hamilton, be funded from the Ward 10 Minor Maintenance Account (4031911610) at an upset limit, including contingency, not to exceed \$80,000; and
- (b) That the General Manager of Public Works be authorized and directed to approve and execute any and all required agreements and ancillary documents, in a form satisfactory to the City Solicitor.