



City of Hamilton
PUBLIC WORKS COMMITTEE ADDENDUM

Meeting #: 20-003
Date: February 21, 2020
Time: 1:30 p.m.
Location: Council Chambers, Hamilton City Hall
71 Main Street West

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

	Pages
10. DISCUSSION ITEMS	
*10.1 Standardization of Fleet Equipment and Parts (PW09074(e)) (City Wide) WITHDRAWN	
*10.4 PRESTO Adoption (PW17033(e)) (City Wide) (Outstanding Business List Item)	2
12. NOTICES OF MOTION	
*12.1 Powell Park Tree Planting (Ward 3)	10
*12.2 Private Tree Giveaway (Ward 3)	11
13. GENERAL INFORMATION / OTHER BUSINESS	
*13.2 Potential Solution to Chedoke Creek (Councillor L. Ferguson)	12



CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT
 Transit Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	February 21, 2020
SUBJECT/REPORT NO:	PRESTO Adoption (PW17033(e)) (City Wide) (Outstanding Business List Item)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Nancy Purser (905) 546-2424 Ext. 1876
SUBMITTED BY:	Debbie Dalle Vedove Director, Transit Public Works Department
SIGNATURE:	

RECOMMENDATION

(a) That the Strategy For Legacy Paper Media Removal, be approved, as follows:

Product	Notice	Action	Marketing
Paper Monthly Passes	Provided March 2020 – 4 months	June 2020 no paper passes	Provide literature with each pass sold advising of removal of paper pass and the benefits of PRESTO. Work with various program owners to implement the best solution for their client.
Paper Tickets and Day passes	Provided March 2020 – 6 months	September 1, 2020 no paper tickets or day passes at vendors Will continue to accept until December 31, 2020	Promote the benefits of Presto to ticket users via web and social media, in person at high boarding locations. Day pass functionality will not be available on PRESTO.

Chart continues on page 2.

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 2 of 7

Continued from page 1.

Product	Notice	Action	Marketing
Vendors	Provided February 2020 – 6 months	Remove all HSR paper media product from all vendor locations as of September 1, 2020	This change may be disruptive to the vendors business. Provide a 10 month notice period to allow for the adjustment.
Special Paper Ticket	Provided March 2020 – 6 months	September 1, 2020 introduce special purpose ticket available at Customer Service Office for Social Agencies Tickets will remain until new functionality is available.	Advise agencies of the availability so they can continue to support clients. Work with agencies to determine the future functionality that will best suit their needs.

- (b) That the Golden Age fare policy consist of a one-time free PRESTO card and unlimited free transit in Hamilton to residents 80 years and older; the cost of the card to be funded through current operating budget; and
- (c) That Item N, respecting PRESTO Operating Agreement, be identified as completed and be removed from the Public Works Committee Outstanding Business List.

EXECUTIVE SUMMARY

The PRESTO fare card system in Hamilton was approved and implemented with the intent of replacing legacy paper tickets and paper monthly pass products.

As part of the operating agreement with Metrolinx approved by Council, the City is required to pay a 9% commission on 80% of its Transit revenues one year after the installation of new equipment, regardless of what media is used to earn the revenue, except for cash which represents the remaining 20% of revenues. The deployment schedule provided by PRESTO targets a full installation as of the end of September 2020.

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 3 of 7

Customers are adopting PRESTO without extensive marketing, advertising or promotional campaigns. To move the remaining customers to PRESTO to achieve the adoption rate prescribed in the agreement by September 2021, a strategy for legacy paper media removal has been developed. The strategy provides notice periods for each stage as well as a focused education and marketing plan that highlights the benefits of using the smart card to allow for smooth transition to PRESTO.

In recognition of the contribution that citizens 80 years and older have made to the City, staff are recommending that the Golden Age fare policy consists of a one-time free PRESTO card in addition to unlimited free transit in Hamilton.

Alternatives for Consideration – see page 6**FINANCIAL – STAFFING – LEGAL IMPLICATIONS**

Financial: Once the strategy has been fully implemented there will be a budget reduction for the purchase of paper media (\$113,000), and the payment of commissions to vendors (\$365,500).

Free PRESTO cards for Golden Age Pass customers totalling \$6,000 will be funded through Transit current operating budget 53050-530400.

Staffing: N/A

Legal: N/A

HISTORICAL BACKGROUND

The fare policies approved by Council are replicated on PRESTO and has been operational since 2011. Since 2013 all Senior fares including Golden Age for Seniors 80+ have been available on PRESTO. Approximately 11,000 customers 80 years or older have purchased a PRESTO card to receive the Golden Age pass. In 2019 approximately 4,200 Golden Age customers used the HSR.

At its January 24, 2018 meeting, Council approved the new PRESTO operating agreement with Metrolinx (PW17033a).

The following is a status update of functionality improvements completed:

In early 2018, Metrolinx completed the rollout of PRESTO devices to over 400 Shoppers Drug Mart locations; 30 locations are in Hamilton along with 9 Fortinos locations. This agreement provides the much-needed locations for our customers to purchase and reload their cards.

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 4 of 7

As of June 2018, PRESTO released functionality to allow the roll out of PRESTO for the U-pass programs at Universities and Colleges. McMaster and Redeemer have been operational since September 2018 and Mohawk since May 2019.

Since the summer of 2018, self-service devices have been available at all GO Transit terminals, including Hamilton GO Centre, McMaster University and West Harbour.

In January 2019 PRESTO launched an App which allows the card holder to perform most of the functions available on the Web and in addition if the customer has a near field communication (NFC) enabled Android phone they can immediately load the funds and transit passes just purchased.

Limited Use Media (LUM) was introduced on the TTC in April 2019 as an alternative to paying a cash fare and focused at the subway stations.

A second App has been developed for use on our Specialized system, which will allow for sub-contracted taxis to accept PRESTO as payment. TTC tested the solution in September 2019, and it is expected to be available to all Transit Agencies in early 2020.

As of October 28, 2019, customers are no longer required to load a minimum of \$10 when the transaction is in person at Customer Service locations or Shoppers Drug Mart/Fortinos. Customers can load the value that best suits their needs. This will reduce the financial burden for some of our customers, making it even easier to switch to PRESTO.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

N/A

RELEVANT CONSULTATION

N/A

ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)

The following Transit Agencies in the GTHA have already removed their paper media: Brampton, Mississauga, Oakville, York, Burlington, and GO. The TTC has stopped selling tickets and tokens as of December 1, 2019 in the subways.

The operating agreement with PRESTO requires that each transit agency achieves 80% adoption one year after the new equipment is installed on the buses. Based on the current schedule provided by PRESTO, the new devices will be installed by the end of September 2020. This equipment will allow for added functionality and has been future proofed to allow for all foreseeable fare payment options such as Account Based Ticketing, Mobile Payments, Mobile Ticketing and QR code tickets. PRESTO will begin

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 5 of 7

to make this additional functionality available after the equipment is in place and has stabilized.

There is a one-time fee of \$6.00 to purchase the PRESTO card. When using PRESTO, customers will always pay the lowest fare. With the removal of the minimum load, customers may load any value on the card depending on their circumstances. The load could be as little as \$0.05, the value of two tickets or the value of a monthly pass.

PRESTO adoption in Hamilton has reached 55% as of December 2019. The following customers do purchase the card and utilize the PRESTO card to access the HSR.

- Seniors – single rides, monthly pass, annual pass
- Seniors 80+ - Golden Age
- All qualified applicants of the Affordable Transit Pass program
- McMaster Full Time Undergraduate and Graduate students - U-pass program
- Redeemer University College Full Time students - U-pass program
- Mohawk College Full Time students - U-Pass program
- Adult ticket and pass customers use PRESTO for 56% and 36% of the rides taken.
- Student ticket and pass customers use PRESTO for 35% and 27% of the rides taken.

Due to the expanded availability of PRESTO load locations across Hamilton, the improved customer experience via the App, removal of the requirement for a minimum load and the scheduled device refresh, it is realistic to move forward with the removal of paper media from circulation.

There are approximately 1,000 new applications for the Golden Age pass each year. In recognition of the contributions made to the City by these customers free PRESTO cards would become part of the Golden Age fare policy. As customers must apply in person at 36 Hunter Street E. to receive their pass, this would be a seamless process.

There are approximately 2,500 Adult paper passes and 700 Student paper passes purchased each month. The strategy removes these from circulation as of June 1, 2020. The education and marketing campaign will begin in March 2020, giving customers three months' notice of this change. The move to PRESTO will provide our customers with the security of purchase if the card is lost; as well as make it easier to purchase their pass as they will be able to set up automatic renewals.

Many of our customers have moved from paper tickets to PRESTO. The strategy will remove legacy paper tickets and day passes from the third-party network as of September 1, 2020 to coincide with the fare increase set to occur with year five of the 10 Year Local Transit Strategy. Matching the removal with the fare increase will eliminate the need to develop and purchase tickets for 2020/2021. This change may be disruptive to the third-party vendors who sell HSR paper product. The education and

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 6 of 7

marketing campaign to address both the vendors and customers will begin in March 2020 and will provide six months' notice. Tickets will continue to be accepted in the farebox for the remainder of 2020.

For social agencies and school boards that utilize paper tickets to support their clients; a special purpose ticket will be created and available at the Customer Service Office at 36 Hunter Street East. These tickets will remain available until PRESTO has released new functionality that meets the needs of social agencies.

The strategy has considered the requirements of customers and incorporates learning from the Transit Agencies that have removed paper tickets and passes. Current customers utilizing PRESTO are diverse, with many on a fixed or low income. With the removal of the minimum load, affordability has been addressed as customers can now load an amount that fits their needs at over 40 locations throughout Hamilton. Complaints have not been received through our customer service line in regard to paying for the PRESTO card. Additionally, since tickets will remain for social agencies customers could be referred for support. The experience gained through the 55% of customers using PRESTO indicates that additional programs for low income are not required at this time.

ALTERNATIVES FOR CONSIDERATION

Council could direct staff to remove all legacy paper media at the same time. This option would reduce the effectiveness of the communications to impacted customers as staff would not have as much time to focus on individual groups.

Council could delay the removal of legacy paper media to a future date. This option could impact our ability to achieve the prescribed adoption rate of 80% by August 2021, potentially leading to a payment to PRESTO of approximately \$1million for no services rendered. In addition, transit utilizes an in-house developed software program to manage the paper media inventory, sales to vendors, including commission payment and returns, as well as sales to the public at our Customer Service Centre. It was anticipated that this system would be retired soon after PRESTO was launched in Hamilton. The software program is now 8 years past its retirement date and is not stable. Replacement of the software would be necessary should paper media continue; it is estimated that an investment of approximately \$500,000 would be required. Paper media for tickets and passes would need to be designed and purchased for the extended period to a maximum annual cost of \$113,000 for paper media and \$365,500 for commissions to vendors.

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.

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: PRESTO Adoption (PW17033(e)) (City Wide) – Page 7 of 7

Clean and Green

Hamilton is environmentally sustainable with a healthy balance of natural and urban spaces.

Built Environment and Infrastructure

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Appendix A – Glossary of PRESTO New Product Offerings

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.

Appendix A to Report PW17033(e)

Page 1 of 1

Glossary of PRESTO New Product Offerings

New Product	Description
Limited Use Media	Disposable card with a smart chip that allows for a predetermined value such as one or two rides to be loaded
Account Based Ticketing	Information about a customers account is stored in the system back-end not on the card
Mobile Payments	Allow payment from e-wallet, credit card and debit card
Mobile Ticketing	Customer can purchase a ticket on their smartphone and activate at the time of boarding
Bar Code/QR Code	This functionality is used in the travel industry, such as boarding passes
PRESTO App	Allow customers to manage their account, load value or passes and pick up the load with a near field communication(NFC) enabled Android phone.
Paratransit App	Allow customers to tap on a device in all vehicles utilized by DARTS service

Added Item 12.1

CITY OF HAMILTON

NOTICE OF MOTION

Public Works Committee: February 21, 2020

MOVED BY COUNCILLOR N. NANN.....

Powell Park Tree Planting (Ward 3)

WHEREAS, the utility company (Hydro One) has determined that four public Norway Maple trees require removal within Powell Park due to their proximity to the overhead utility; and,

WHEREAS, the citizens of Ward 3 would like to replace the loss of canopy due to the removal of the 4 Norway Maple trees and enhance the landscape of Powell Park with seven large caliper shade trees to be implemented by the Forestry Section of the City of Hamilton;

THEREFORE, BE IT RESOLVED:

- (a) That the supply and installation of seven 80mm shade trees to the existing landscape of Powell Park at a cost of \$8,000 be funded from the Ward 3 Area Rating Discretionary account (3301909300);
- (b) That consultation with residents of Ward 3 will take place prior to the placement of seven 80mm shade trees in Powell Park; 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.

Added Item 12.2

CITY OF HAMILTON

NOTICE OF MOTION

Public Works Committee: February 21, 2020

MOVED BY COUNCILLOR N. NANN.....

Private Tree Giveaway (Ward 3)

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

WHEREAS, increasing the urban tree canopy by providing native trees for planting on private property has many environmental benefits to the residents of Ward 3 and the wider City; and,

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

THEREFORE, BE IT RESOLVED:

- (a) The supply and distribution of approximately 200 small native trees at a cost of \$2,715 be funded from the Ward 3 Area Rating Discretionary Account (3301909300); 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.



BIOREMEDIATION

The Bioremediation Facility - Riyadh

Over 900 m in length

Flow rate is approximately 3 cubic meters/second

Retention time of approximately 36 hours

134 biocells process up to 400,000 cubic meters of water per day for recycling

The facility includes its own wet laboratory for 24-hour monitoring









