

Public Works Transit Division

Ten Year Local Transit Strategy

February 6 and March 6, 2015

Providing services that bring our City to life !

TEN YEAR LOCAL TRANSIT STRATEGY Presentation Outline

- Overview
- Strategic Context
- Municipal Investment & Benchmarking
- Customer Experience
 - **Current System Deficiencies**
 - Application of Service Standards
- Network & Ridership Growth
- Rapid Transit Corridors
- Fares

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→ Community

→ Processes

Hamilton

Public Works

→ Finance

→ People

- Financial Summary
- Recommendations



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OVERVIEW

Council Direction

- February 25, 2013 Council approved Rapid Ready Expanding Mobility Choices in Hamilton.
- June 26, 2013 Council provides staff with further direction:
 - 1. Come forward with recommendations for consideration during the 2014 operating and capital budget process with the first priorities for local transit service improvements to begin implementing Rapid Ready;
 - 2. Report back in time for the 2015 budget process to the new City Council on a **ten-year Hamilton local transit service level strategy**, including specific route recommendations and a financial strategy, with reference to the role played by rapid transit, and with a goal of reaching 80-100 rides per capita by 2025.

- → Community
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- → Processes
- → Finance





OVERVIEW

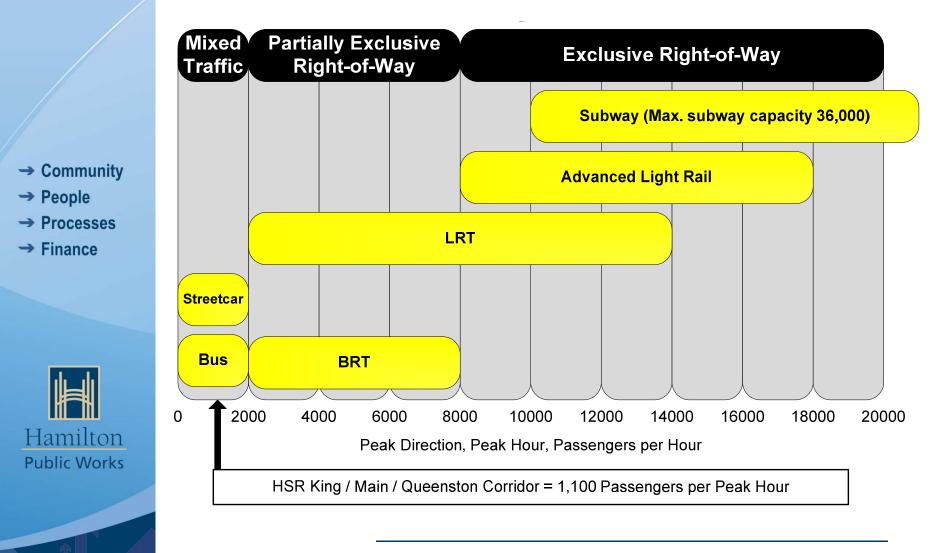
Proposed Rapid Transit Corridors



- → Community
- → People
- → Processes
- → Finance



OVERVIEW Transit Technologies & Capacities



OVERVIEW Service, Operating & Capital

		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	2014	Deficie	Deficiencies Standards				10 Year					
	2014						Grow	/th				Total
							M	odal Spl	it			
SERVICE												
Hours (000's)	814	16	34	34	39			2	99			422
Annual Operating (000's)	\$88,000	\$2,000	\$4,000	\$4,000	\$4,500			\$36	,500			\$51,000
Full Time Equivalents	644	16	34	26	30			2	30			336
Fleet	221	8	17	5	11			8	5			126
Fares	\$2.00	\$0.25	\$0.10	\$0.10	\$0.10			TI	3D			
OPERATING												
Service Expenditures (000's)		\$800	\$3,500	\$4,800	\$4,500							
Fare Revenues (000's)		-\$1,910	-\$3,770	-\$3,120	-\$3,230							
Levy (000's)		-\$1,110	-\$270	\$1,680	\$1,270							
Annual Change to Levy		-0.14%	-0.03%	0.21%	0.15%							
FUNDED CAPITAL (000's)												
Fleet (Local)		\$8,700		\$2 <i>,</i> 650	\$2,030	\$16,710			\$30,090			
UNFUNDED CAPITAL (000)'s)											
Fleet (BLAST)		\$6,875		\$5,300	\$5,420			\$39	,280			\$56,875
Maintenance Storage Facility		\$5,000	\$10,000	\$25,000	\$80,000			\$80	,000			\$200,000
Customer Experience		\$4,000	\$4,000	\$4,000	\$4,000			\$23	,000			\$39,000
Corridor Capacity		\$200	\$200	\$200	\$200			\$5,	200			\$6,000
Total		\$16,075	\$14,200	\$34,500	\$89,620			\$14	7,480			\$301,875

• 50% increase in service

- → Community
- → People
- → Processes
- → Finance



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TEN YEAR LOCAL TRANSIT STRATEGY Strategic Context





- → People
- → Processes
- → Finance



- Growth Forecasts
- Changing Role of Public Transportation
- Benefits of Public Transportation
- Corporate Strategy & Policy
- Transportation & Growth
- Transportation Master Plan
- Rapid Ready Expanding Mobility Choices



STRATEGIC CONTEXT

Growth Forecasts

Hamilton	2011 (Census)	2031*	2036*	2041*
Population (Persons)	519,950	660,000	730,000	780,000
Percentage Average Annual Change		1.3%	2.1%	1.4%
Employment (Jobs)	192,850**	300,000	330,000	350,000
Percentage Average Annual Change		2.8%	2.0%	1.2%

Source:

*Amendment No. 2 to the Growth Plan for the Greater Golden Horseshoe - City of Hamilton Comments ** 2011 National Household Survey

- → Community
- → People
- → Processes
- → Finance



STRATEGIC CONTEXT Changing Role of Public Transportation



- → People
- → Processes
- → Finance





Public Transportation as an investment in a Vibrant and Sustainable City

A Prosperous & Healthy Community Transportation as an enabler for the community we strive to create, a healthy economy and a good quality of life .

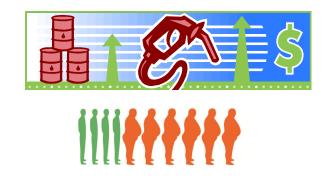


STRATEGIC CONTEXT

Benefits of Public Transportation

- Reduced household transportation costs.
- Reduced congestion and delays (escarpment crossings at capacity by 2031).
- Addresses changing demographics (aging population).
- Positive health, environment and community impacts.
- Promotes economic development (attracting employers, creative industries).
- Promotes social equity.





- → Community
- → People
- → Processes
- → Finance



STRATEGIC CONTEXT

Corporate Strategy and Policy

- 2012- 2015 Strategic Objective 1.4 "Improve the City's transportation system to support multi-modal mobility and encourage inter-regional connections".
- GRIDS (Growth Related Integrated Development Strategy) & Official Plan.
- 2007 Transportation Master Plan objectives and modal spilt targets (annual rides per capita 80-100).

Vision

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Mission

We provide quality public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

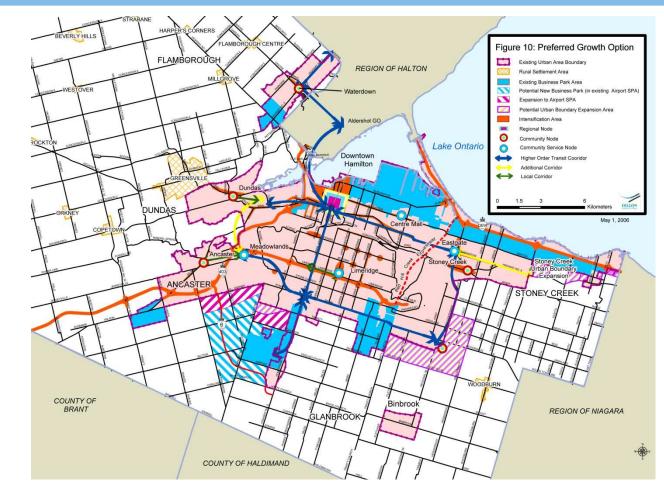
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- → People
- → Processes
- → Finance



STRATEGIC CONTEXT Transportation & Growth



The desired form of urban growth & transit are interdependent.

- → Community
- → People
- → Processes
- → Finance



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STRATEGIC CONTEXT

Transportation Master Plan

 Emphasis on significantly improving transit services in combination with road capacity optimization before road expansion.

	2001	Near-Term Target (2011)	Current Status (2011 TTS)	Long-Term Target (2021-2031)
Estimated daily vehicle kilometres of Travel	4.8 Million KM	4.3 Million KM	n/a*	3.8 Million KM
Share of daily trips made by single- occupant drivers	68%	58%	67%	52%
Share of daily trips made by using municipal transit	5%	9%	7%	12%
Share of daily trips made by using walking or cycling	6%	10%	6%	15%
Annual transit rides per capita	48.5**	60	45.1**	80-100

*The 2011 TTS has released limited data to give a current status update.

**Canadian Urban Transit Assoc. statistic based on service area population.

• City is lagging behind in all targets.

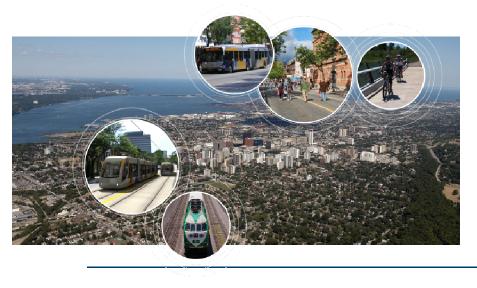
- → Community
- → People
- → Processes
- → Finance



STRATEGIC CONTEXT

Rapid Ready Expanding Mobility Choices

- Multi-modal approach, including seamless integration with GO transit.
- 5 Year framework to continue advancing public transit towards rapid transit.
- Rapid Ready financial requirements: Overall Capital needs of \$156M.
 Short term Operating needs of \$45M.





- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Municipal Investment & Benchmarking





- → People
- → Processes
- → Finance







- Trips per Capita
- Contribution per Capita
- Transit Benchmarking
- Synopsis

MUNICIPAL INVESTMENT & BENCHMARKING Trips per Capita (2013)

Municipality	Trips pe	% Change	
wancipanty	2006	2013	70 Change
Brampton	24.48	35.43	44.73%
Durham	13.83	19.46	40.71%
London	54.12	63.07	16.54%
York Region	18.00	21.51	19.50%
Mississauga	41.22	47.59	15.45%
Windsor	28.39	30.53	7.54%
Hamilton	47.99	45.13	-5.96%



- → People
- → Processes

→ Finance

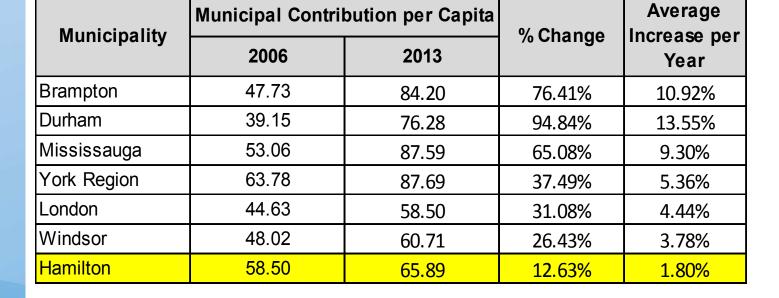


- City is trending in the wrong direction.
- 2013 Rapid Ready adoption.

MUNICIPAL INVESTMENT & BENCHMARKING Contribution per Capita (2013)

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- → Processes
- → Finance





- City has lowest contribution increase per year.
- 2013 Rapid Ready adoption.

MUNICIPAL INVESTMENT & BENCHMARKING Transit Benchmarking (2013)

- → Community
- → People
- → Processes
- → Finance



Municipality	Average Fare	Trips per Capita	Trips per Revenue Hour	Revenue Hours per Capita	Cost per Revenue Hour	Revenue / Cost Ratio	Overall Rank
London	1	1	1	3	1	1	1
Hamilton	2	3	2	4	2	2	2
Mississauga	4	2	4	1	5	3	3
Brampton	6	4	5	2	4	4	4
Windsor	3	5	3	6	3	5	5
York Region	7	6	7	5	7	6	6
Durham	5	7	6	7	6	7	7

Relatively efficient transit system.

MUNICIPAL INVESTMENT & BENCHMARKING Synopsis

- HSR relatively efficiently run public transit system.
- Hamilton's investment in transit service has been low: Low overall fare.

Lowest average municipal contribution increase per year.

• More investment in transit is required:

To support City goals, growth and development.

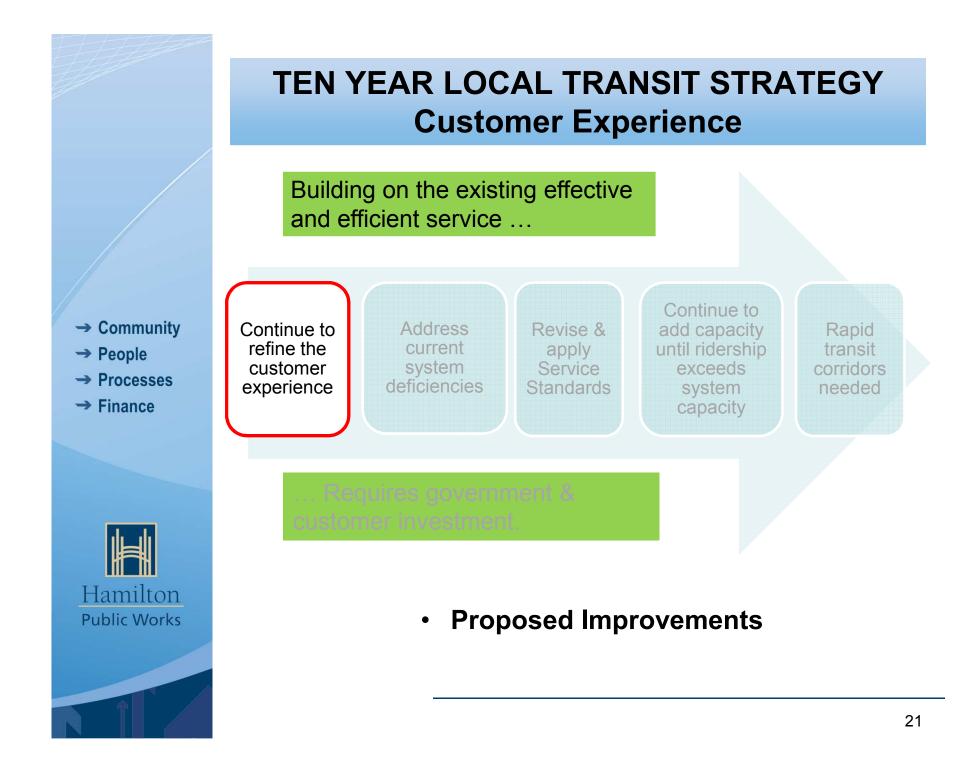
To ensure sustainability of system and quality of service.



Rapid Ready Expanding Mobility Choices in Hamilton

- → Community
- → People
- → Processes
- → Finance





CUSTOMER EXPERIENCE

Proposed Improvements

Branding and Marketing

- Branding strategy development & launch.
- Renewed marketing strategy.
- Application of brand to physical assets.
- → Community
- → People
- → Processes
- → Finance

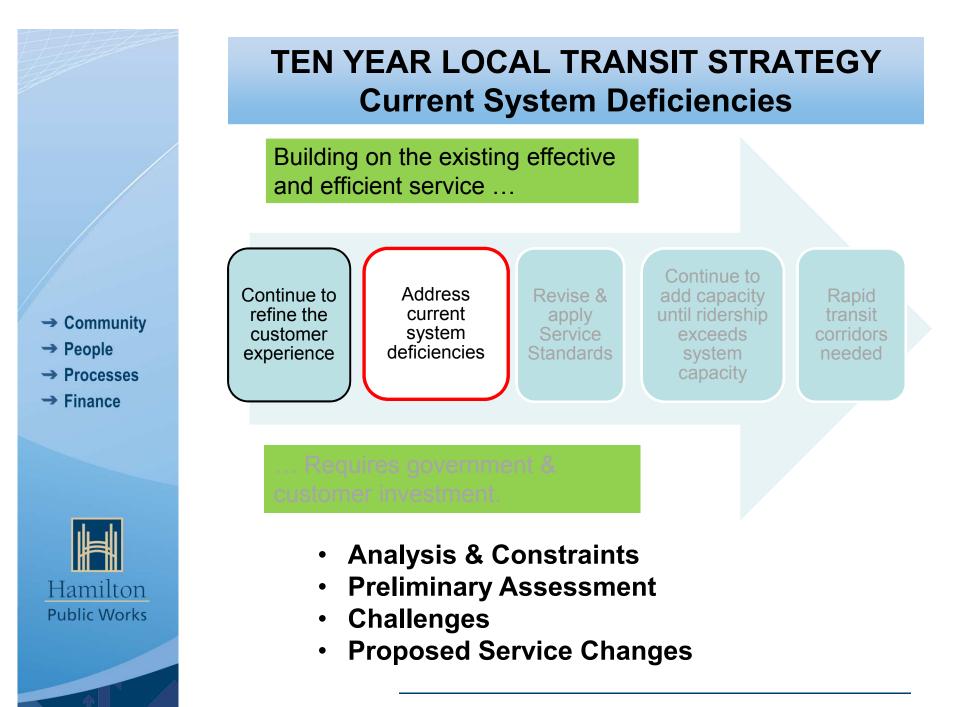


Total Cost: \$16.5M (\$4.5M branding, \$12M for application to assets)

Customer Information and Amenities

- Improved customer information (real time displays, social media, etc.).
- Improved customer amenities & services (shelters, PRESTO customer service, etc.).
- Terminal development & improvements (approx. 6 locations subject to feasibility analysis).

Total Cost: \$22.5M (\$4.5M for passenger amenities, \$18M for new/ expanded terminals)



CURRENT SYSTEM DEFICIENCIES

Analysis & Constraints

System review to identify:

- Capacity deficiencies.
- Scheduling issues.
- Underperforming routes.
- Opportunities to simultaneously address deficiencies while developing BLAST network.

Data limitations:

- Good schedule adherence data.
- Good bypass data.
- Limited passenger count information.

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- → Processes
- → Finance



→ Community

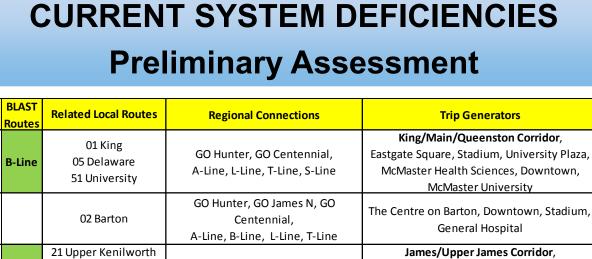
Group

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- → People
- → Processes
- → Finance





					A Line, D Line, L Line, I Line			
3	A-Line	27 U 33 S 3!	21 Upper Kenilworth 27 Upper James 33 Sanatorium 35 College		27 Upper JamesGO Hunter, GO James N,33 SanatoriumB-Line, L-Line, T-Line, S-Line35 College35 College		, , ,	James/Upper James Corridor, Waterfront, Downtown, St. Joseph's Hospital, Mohawk College, Airport, 4 Pad Arena, St. Joseph's Healthcare West 5th Campus, Heritage Greene Shopping Complex
4		25 Upp	er Wentwo	orth	GO Hunter, B-Line, L-Line, T-Line, S- Line	Downtown, St. Joseph's Hospital, Lime Ridge Mall		
5	T-Line	41 Mohawk				Mohawk Corridor , Industrial Area, The Centre on Barton, Lime Ridge Mall, Meadowlands		
6			03 Cannon GO Hunter, GO James N, 04 Bayfront A-Line, L-Line, T-Line, S-Line		GO Hunter, GO James N, A-Line, L-Line, T-Line, S-Line	Industrial Area, Stadium, Downtown		
7			22 Upper OttawaGO Hunter, B-Line, L-Line, T-Line, S-23 Upper GageLine			Downtown, St. Joseph's Hospital, Juravinski Cancer Centre, Red Hill Business Park		
Group	Servic e	FTE Ops	FTE Mtce	Flee t	Operating Cost	Capital Cost		
BLAST	20,000	17	3	11	\$2,400,000	\$6,875,000		
Local	30,000	26	26 4 14		\$3,600,000	\$8,750,000		
TOTAL	50,000	43	7	25	\$6,000,000	\$15,625,000		

Service deficiency improvements can be a combination of:

Increased Frequency / Additional School Only Trips / Additional Running Time / Additional Layover / Route Restructuring

CURRENT SYSTEM DEFICIENCIES Challenges

Buses

• Order backlog usually in the 1 to 2 year range; therefore, fleet availability for any peak improvements will be challenging.

Maintenance & Storage Facility

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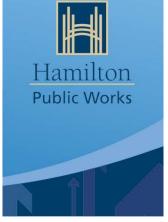
- Mountain Transit Centre currently operating at capacity.
- Adding capacity will take 3 to 5 years.
- Manageable in the short term long term solution required.
- Detailed costs subject to further investigations.



Operators

Hiring and training of Operators is a lengthy process taking up to 6 months; HSR currently has an Operator deficiency.

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CURRENT SYSTEM DEFICIENCIES Proposed Service Changes

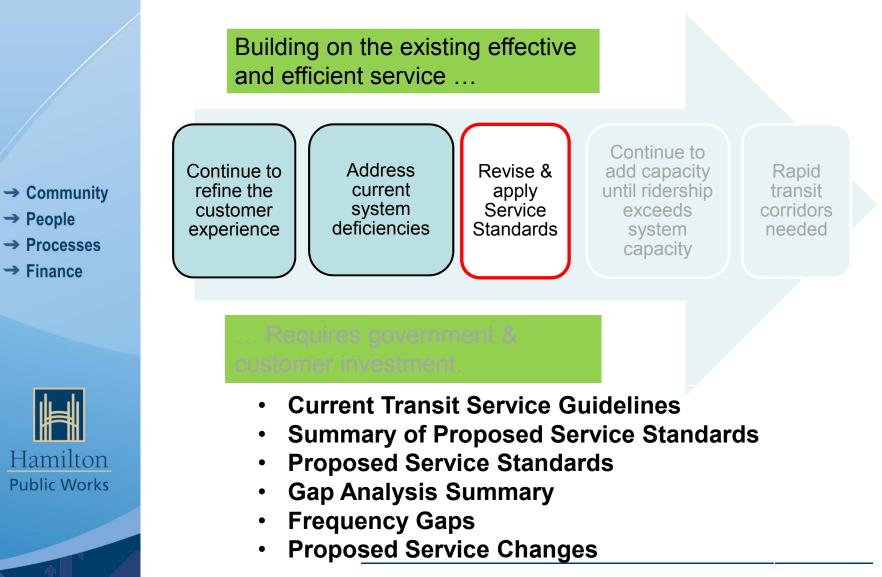
Phase-in of system deficiencies (\$6M) in 2015 and 2016:

- September 2015 \$0.8M (annualized impact of \$2M).
- March 2016 \$1.5M (annualized impact of \$2M).
- September 2016 \$0.8M (annualized impact of \$2M).

Requires commitment in 2015 Budget for:

- 50 FTE.
- Procurement of 25 new buses for 2016 delivery.
- Delay retirement of 10 buses as interim measure.

TEN YEAR LOCAL TRANSIT STRATEGY Application of Service Standards



APPLICATION OF SERVICE STANDARDS Current Transit Service Guidelines (1996)

Service parameter	Monday to Saturday	Sunday & Holiday			
Hours of operation	6:00am to 12:00am	6:00am to 6:00pm			
Maximum headway	30 minutes	60 minutes			
Walking distance	400 metres for 90% of the population, where permitted by the local street network.				
Revenue/cost ratio (R/C ratio)	 Greater than 50% for entire system Minimum 30% for individual routes, otherwise basic Monday to Friday rush hour only service to be provided every 30 minutes 				

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 → People
- → Processes
- → Finance



- Current standards are pre-amalgamation & incomplete.
- Updated standards will provide an objective basis to determine service levels to address gaps & grow service.
- A review of peers and best practices was undertaken.

Coverage and Expansion of Service:

- Maintains 90% within 400m standard.
- Clarifies weekday peak service as a minimum.
- Includes workplaces as well as residents.

Proposed HSR Service Standard							
Coverage	Coverage Weekday Saturday Sunday						
System Wide	90% of residents /	90% of residents / workplaces within Urban Transit Area to be					
Minimum	within 400) metres of Weekday Pea	ak service.				



→ Community

→ Processes

→ Finance

→ People

Service Span (Hours of Operation)

States span as a maximum & lets ridership levels justify span expansion.

Proposed HSR Service Standard							
Span (Start of trip)	Weekday	Saturday	Sunday				
Route Maximum	5:00 AM – 2:00 AM	5:00 AM – 2:00 AM	6:00 AM – 12:00 AM				

Frequency

• Includes a minimum frequency for each service type.

Proposed HSR Service Standard								
Frequency (Time between buses)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening					
Route Minimum	30 / 30 / 60	30 / 30 / 60	30 / 30 / 60					

→ Community

→ People

→ Processes

→ Finance



Productivity

- Includes a minimum threshold based on boardings per service hour.
- Routes not meeting the minimum should be reviewed or monitored for service reductions.

Proposed HSR Service Standard							
Productivity (Boardings per Service Hour)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening				
Route Minimum	25 / 15 / 15	15 / 15 / 15	15 / 15 / 15				



→ Community

→ Processes

→ Finance

→ People

Loading

- Sets a maximum standard based on seated capacity.
- Routes that exceed the maximum should be reviewed for added capacity.

Proposed HSR Service Standard				
Loading (Expressed as Percentage of Seated Capacity)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening	
Route Maximum	125 / 100 / 100	100 / 100 / 100	100 / 100 / 100	



→ Community

→ Processes

→ People

→ Finance

- → Community
- → People
- → Processes
- → Finance



APPLICATION OF SERVICE STANDARDS

Proposed Transit Service Standards

Proposed HSR Service Standards					
Coverage	Weekday	Saturday	Sunday		
System Wide	90% of residents / workplaces within Urban Transit Area to be				
Minimum	within 400 metres of Weekday Peak service.				
_		r			
Span (Start of trip)	Weekday	Saturday	Sunday		
Route Maximum	5:00 AM – 2:00 AM	5:00 AM – 2:00 AM	6:00 AM – 12:00 AM		
		-			
Frequency (Time between buses)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening		
Route Minimum	30 / 30 / 60	30/30/60 30/30/60			
Productivity (Boardings per Service Hour)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening		
Route Minimum	25 / 15 / 15	15 / 15 / 15	15 / 15 / 15		
Loading (Expressed as Percentage of Seated Capacity)	Weekday Peak / Non-Peak/ Evening	Saturday AM / Day / Evening	Sunday AM / Day / Evening		
Route Maximum	125 / 100 / 100	100 / 100 / 100	100 / 100 / 100		

→ Community

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- → Processes
- → Finance



APPLICATION OF SERVICE STANDARDS Gap Analysis Summary

Coverage : No deficiencies.

Span: No deficiencies.

Frequency: Several routes do not meet minimum standards.

Productivity: Potentially underperforming routes to be monitored.

Loading: Resolved in conjunction with Current System Deficiencies.

Modest investment required to address gaps in frequency.

APPLICATION OF SERVICE STANDARDS Frequency Gaps

	Group	Local Route(s)	Frequency	Regional Connections	Trip Generators
	1	04 Bayfront 06 Aberdeen 07 Locke 08 York 51 University	Improve Saturday and Sunday Headways to 30 (from 60) minutes	GO James St. N, GO Hunter, B-Line, A-Line, L-Line	Downtown, industrial area, waterfront, McMaster University, Innovation Park, Princess Point
 → Community → People → Processes → Finance 	2	22 Upper Ottawa 23 Upper Gage 24 Upper Sherman 27 Upper James 33 Sanatorium 34 Upper Paradise 41 Mohawk	Improve Saturday and Sunday Headways to 30 (from 60) minutes	GO Hunter, B-Line, A-Line, S-Line, T-Line	Downtown, industrial area, The Centre on Barton, Limeridge Mall, St. Joseph's Hospital, Juavinski Cancer Centre, Red Hill Business Park, Meadowlands
Hamilton	3	16 Ancaster 18 Waterdown 55 Stoney Creek 56 Centennial	Improve all deficient headways to minimum 30 minutes during all periods and change one-way loop in Waterdown to bidirectional.	GO Aldershot Station, Future GO Confederation Station, B- Line, L-Line, T-Line	Meadowlands, Flamborough Business Park, Stoney Creek Business Park, Confederation Park, Eastgate Square
Public Works					

Group	Service Hours	FTE Ops	FTE Mtce	Fleet	Operating Cost	Capital Cost
Local	16,000	9	3	1	\$1,100,000	\$660,000

APPLICATION OF SERVICE STANDARDS Proposed Service Changes

2017 Proposed Service Changes:

- Approximately 12 FTE & 1 bus.
- Annualized impact of approximately \$1.1M.
- Service improvements may include a combination of methods and subject to detailed review.

Substantial system alignment with new service standards by 2017.



→ Community

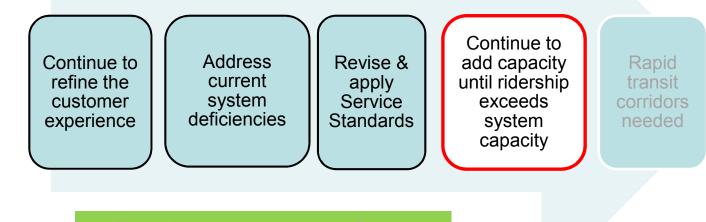
→ Processes

→ People

→ Finance

TEN YEAR LOCAL TRANSIT STRATEGY Network & Ridership Growth

Building on the existing effective and efficient service ...



... Requires government & customer investment.

• Principles

→ Community

→ Processes

Hamilton

Public Works

→ Finance

→ People

- Annual Service Plan Development Process
- Rapid Ready Major Transit Enhancements
- Increasing Corridor Capacity
- 2017 2024 Proposed Service Changes

NETWORK & RIDERSHIP GROWTH Principles

Continual improvements that reflect emerging needs, population & employment growth:

- Expanding service coverage in growth areas.
- Expanding service frequency & span to meet demand.
- Improving connections to outer communities.
- Improving connections with inter-regional transit (GO) & other modes.

Developing the BLAST network to promote ridership growth:

- Increase service levels on the A, B & T-Line corridors towards rapid transit.
- Introduce express service on the S and L lines.
- Strengthen the connectivity between the terminals/nodes (Downtown, McMaster University, Lime Ridge Mall, Eastgate Square, Mohawk College, Meadowlands, Valley Park, MTC/Airport).
- Feed the future rapid transit corridors.

- → Community
- → People
- → Processes
- → Finance



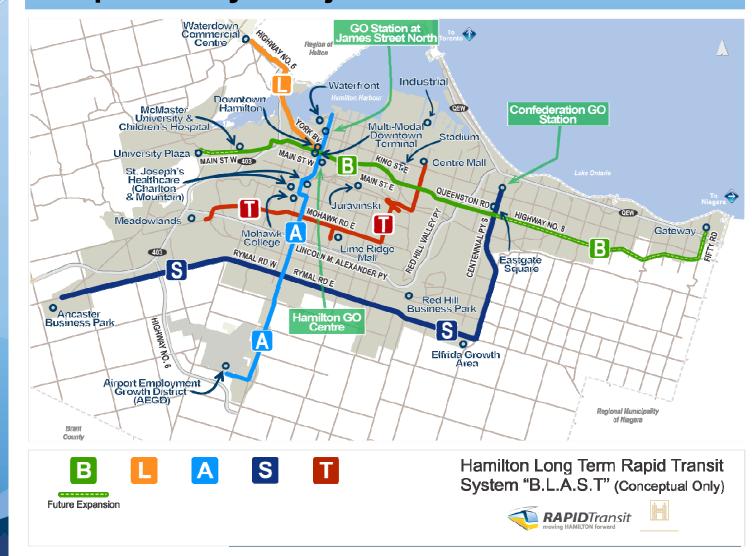
NETWORK & RIDERSHIP GROWTH



- → Community
- → People
- → Processes
- → Finance

Hamilton Public Works

NETWORK & RIDERSHIP GROWTH Rapid Ready – Major Transit Enhancements



- → Community
- → People
- → Processes
- → Finance



NETWORK & RIDERSHIP GROWTH Increasing Corridor Capacity



- → People
- → Processes
- → Finance



- Signal priority.
 - Queue jump lanes.
- Dedicated lanes.
- Large capacity buses.
- Proof of payment.
- Fare paid zones.

Total Cost: \$6M.



Next Step: Higher Order Transit.

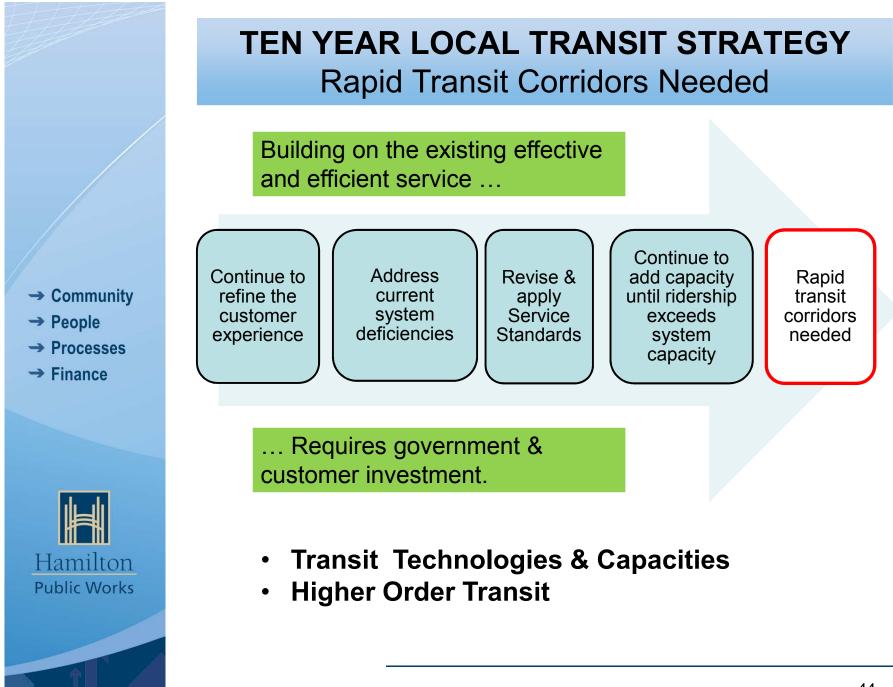
NETWORK & RIDERSHIP GROWTH 2017-2024 Proposed Service Changes

		Vehicles			Capital Cost		A
	Local	BLAST	Total	Local	BLAST	Total	Approx. Annual Operating Cost
Accommodate Annual Growth @ 2%	30	10	40	\$ 21,390,000	\$ 7,190,000	\$28,580,000	\$ 2,100,000
Ridership Growth (modal shift)		60	60		\$42,810,000	\$42,810,000	\$ 3,700,000
Totals	30	70	100		\$50,000,000	\$71,390,000	\$ 5,800,000

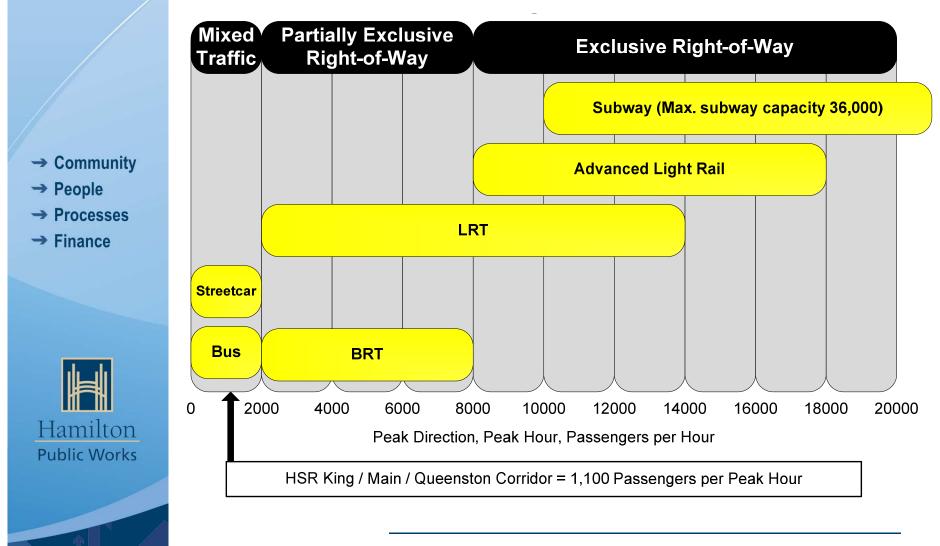
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- Approximate 10 minute frequency or better on major BLAST corridors – differentiates express bus as a higher level of service.
- Rides per capita of approx. 50 estimated by 2024.
- In order to approach 80-100 rides per capita higher order transit is needed.



RAPID TRANSIT CORRIDORS NEEDED Transit Technologies & Capacities



RAPID TRANSIT CORRIDORS NEEDED Higher Order Transit

 Begin to Shift Modal Split with Enhanced Express Bus Followed by Higher Order Transit.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
LOCAL	Defici	oncioc	Stds														
SERVICE	Denci	encies				Gro	wth										
BLAST -	Defici	encies				Gro	wth										
Express Bus						Мс	dal S	plit									
BLAST -														Mada	الم ال		
Higher Order														Moda	i spin	•	

• Begin to Shift Modal Split with Higher Order Transit.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
LOCAL	Defici	onoioo	Stds														
SERVICE	Deficio	encies				Gro	wth										
BLAST -	Defici	encies				Gro	wth										
Express Bus																	
BLAST -																	
Higher Order											IVIC	dal S	pilt				

- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Fare Policy







- → Community
- → People
- → Processes
- → Finance



- Principles
- Elasticity
- 4 Year Revenue & Ridership Impact of Fares & Service Increases
- Historical Fare Increases
- Transit Fare Comparison
- Fare Structure Comparison
- **Proposed Multi Year Fare Increases**
- Annual Impact of Fares & Service
 Increases

Principles

Fair Share

- Customers and taxpayers (residential and non-residential) benefit from transit.
- Thus customers through fares and taxpayers through levy contributions must jointly share cost of providing transit.

Fare Structure

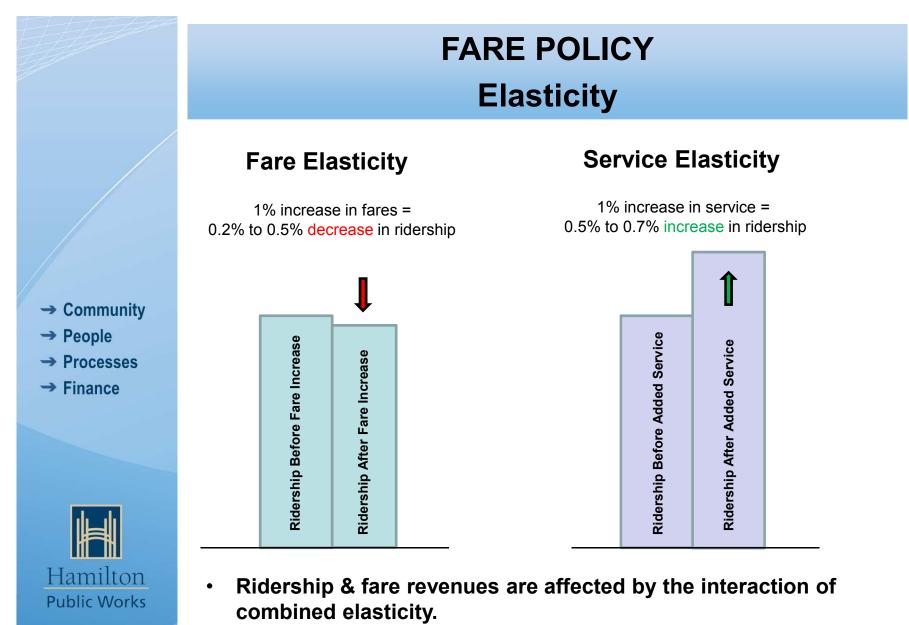
• Various fare media tied to price of Single Adult Ride ticket.

Annual Fare Increase

- Initially to help pay for service improvements and bring about alignment with comparator transits.
- Subsequently to establish regular modest fare increases to share in the cost of transit growth.

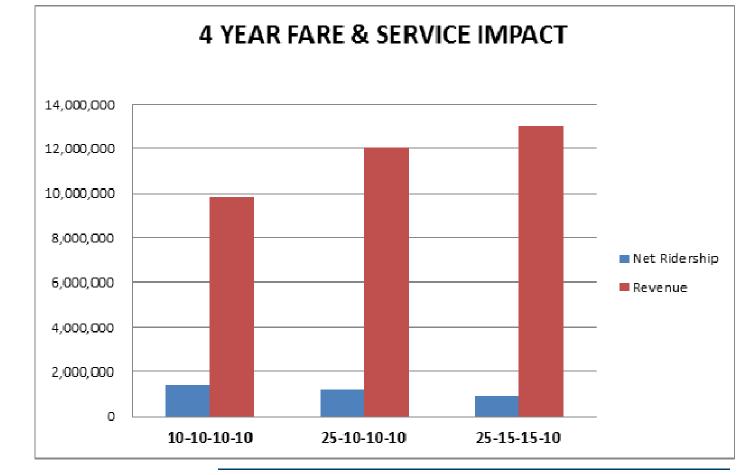
- → Community
- → People
- → Processes
- → Finance





- Customers are more sensitive to service than fares.
- Therefore, service has a greater impact on ridership than fares.

4 Year Revenue & Ridership Impact of Fares & Service Increases



- → People
- → Processes
- → Finance

Hamilton Public Works

Historical Fare Increases

	C	Cash T			ket		Monthly Pass					
	Α	Adult		dult	Student		Adult	Student	Senior*			
Jan-04	\$	2.10	\$	1.70	\$	1.35	\$ 65.00	\$ 50.00	na			
Jun-07	\$	2.25	\$	1.75	\$	1.45	\$ 71.00	\$ 56.00	na			
Jan-08	\$	2.40	\$	1.85	\$	1.55	\$ 79.00	\$ 63.00	na			
Jan-10	\$	2.55	\$	2.00	\$	1.65	\$ 87.00	\$ 71.00	na			
Jan-14	\$	2.55	\$	2.00	\$	1.65	\$ 87.00	\$ 71.00	\$ 20.50			

- → Community
- → People
- → Processes
- → Finance



• No fare increase since 2010.

Transit Fare Comparison (2014)

Municipality	C	Cash		Tic	ket		Monthly Pass				
wuncipality	Α	dult	Α	dult	St	udent	Adult	Student	Senior		
London	\$	2.75	\$	1.90	\$	1.54	\$ 81.00	\$ 81.00	\$ 57.50		
Hamilton	\$	2.55	\$	2.00	\$	1.65	\$ 87.00	\$ 71.00	\$ 20.50		
Windsor	\$	2.75	\$	2.30	\$	1.80	\$ 87.00	\$ 60.00	\$ 44.00		
Brampton	\$	3.75	\$	2.80	\$	2.50	\$ 118.00	\$ 105.00	\$ 50.00		
Mississauga	\$	3.25	\$	2.80	\$	2.25	\$ 120.00	\$ 101.00	\$ 53.00		
Durham	\$	3.00	\$	2.85	\$	2.64	\$ 106.00	\$ 86.50	\$ 42.75		
York	\$	4.00	\$	3.30	\$	2.50	\$ 132.00	\$ 99.00	\$ 55.00		
Average	\$	3.15	\$	2.56	\$	2.13	\$ 104.43	\$ 86.21	\$ 46.11		



- → People
- → Processes
- → Finance



• Significantly lower fares than peers.

Fare Structure Comparison

Municipality	Cash Premium	Ticket Co	ncession	Month	nly Pass Mu	ıltipler
	Adult	Adult	Student	Adult	Student	Senior
London	45%	Base	81%	43	53	38
Hamilton	28%	Base	83%	44	44	13
Windsor	20%	Base	78%	38	34	25
Brampton	34%	Base	89%	43	42	20
Mississauga	16%	Base	80%	43	45	24
Durham	5%	Base	93%	38	33	17
York	21%	Base	76%	40	40	22
Average	23%	Base	83%	41	41	22

- → Community
- → People
- → Processes
- → Finance



- Similar structure to peers with the exception of Senior passes.
- Should address senior monthly pass multiplier.

Proposed Multi-year Fare Increases

Year	Cash	Tic	ket	Monthly Pass				
real		Adult	Student	Adult *	Student	Senior		
Utilization	11%	31%	8%	40%	5%	6%		
Current	\$2.55	\$2.00	\$1.65	\$87.00	\$71.00	\$20.50		
Sep-15	\$3.00	\$2.25	\$1.70	\$99.00	\$74.80	\$25.50		
Sep-16	\$3.00	\$2.35	\$1.75	\$103.40	\$77.00	\$29.75		
Sep-17	\$3.25	\$2.45	\$1.85	\$107.80	\$81.40	\$35.15		
Sep-18	\$3.25	\$2.55	\$1.90	\$112.20	\$83.60	\$39.90		

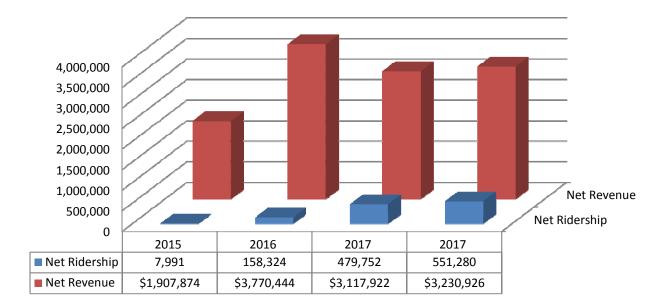


- → People
- → Processes
- → Finance



- 25 cents September 2015 followed by 10 cent increases for the next three years.
- Senior pass multiplier adjusted.
- Thereafter, adjusted by CPI as a minimum.
- Measure and monitor shifts in customer behaviour.

Annual Impact of Fares & Service Increases



→ Community

→ People

→ Processes

→ Finance



TEN YEAR LOCAL TRANSIT STRATEGY Multi-year Financial Summary







- → Community
- → People
- → Processes
- → Finance



Service, Operating & Capital

MULTI-YEAR FINANCIAL SUMMARY Service, Operating & Capital

		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	2014	Deficie	encies	Standards								10 Year
	2014						Grov	/th				Total
							М	odal Spl	it			
SERVICE												
Hours (000's)	814	16	34	34	39			29	99			422
Annual Operating (000's)	\$88,000	\$2,000	\$4,000	\$4,000	\$4,500			\$36	,500			\$51,000
Full Time Equivalents	644	16	34	26	30	230					336	
Fleet	221	8	17	5	11	85				126		
Fares	\$2.00	\$0.25	\$0.10	\$0.10	\$0.10			TE	3D			
OPERATING												
Service Expenditures (000's)		\$800	\$3,500	\$4,800	\$4,500							
Fare Revenues (000's)		-\$1,910	-\$3,770	-\$3,120	-\$3,230							
Levy (000's)		-\$1,110	-\$270	\$1,680	\$1,270							
Annual Change to Levy		-0.14%	-0.03%	0.21%	0.15%							
FUNDED CAPITAL (000's)												
Fleet (Local)		\$8,700		\$2 <i>,</i> 650	\$2,030			\$16	,710			\$30,090
UNFUNDED CAPITAL (000)'s)											
Fleet (BLAST)		\$6,875		\$5,300	\$5,420			\$39	,280			\$56,875
Maintenance Storage Facility		\$5,000	\$10,000	\$25,000	\$80,000	0 \$80,000			\$200,000			
Customer Experience		\$4,000	\$4,000	\$4,000	\$4,000	000 \$23,000			\$39,000			
Corridor Capacity		\$200	\$200	\$200	\$200	\$200 \$5,200			\$6,000			
Total		\$16,075	\$14,200	\$34,500	\$89,620						\$301,875	

• 50% increase in service



→ Community

→ Processes

→ People

→ Finance

TEN YEAR LOCAL TRANSIT STRATEGY Recommendations







- → Community
- → People
- → Processes
- → Finance



RECOMMENDATIONS

- 1. Approve the 2015 to 2024 Ten Year Local Transit Strategy, including the following approvals for 2015 and 2016 to address system deficiencies:
 - a. \$6M dollars annualized (\$5.7M to be funded from fare increases and \$0.3M from levy) to be phased in over 2 years:
 - i. September 2015 \$0.8M (\$2M annualized);
 - ii. March 2016 \$1.5M (\$2M annualized); and,
 - iii. September 2016 \$0.8M (\$2M annualized).
 - b. An additional 50 FTEs.
 - c. The addition of 25 buses to the fleet in 2015 at a capital cost of \$15.6M, to be funded as follows:
 - i. \$3M development charges;
 - ii. \$5.7M transit vehicle replacement reserve; and,
 - iii. \$6.9M unfunded capital to be requested from Metrolinx as part of recommendation 4.
 - d. Delay the retirement of 10 buses at a capital cost of \$0.5M to be funded from the transit vehicle replacement reserve.

- → Community
- → People
- → Processes
- → Finance



RECOMMENDATIONS

- 2. Approve new Service Standards for the objective implementation of service.
- 3. Approve the fare increases as detailed in this report, including the following fare increases aligned with service improvements:
 - a. 25 cents in September, 2015;
 - b. 10 cents in September, 2016, 2017 and 2018; and,
 - c. annual fare increases of at least CPI thereafter.
- 4. Develop a submission to Metrolinx for the unfunded capital requirements contained in the Ten Year Local Transit Strategy.



→ Community

→ Processes

→ People

→ Finance



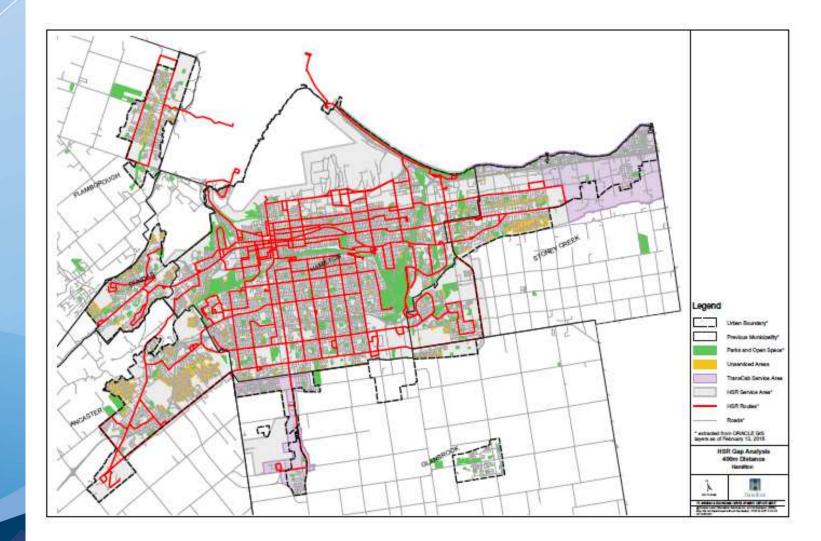
Public Works Transit Division

Ten Year Local Transit Strategy

March 6, 2015

Providing services that bring our City to life !

TEN YEAR LOCAL TRANSIT STRATEGY 400m Service Standard



- → Community
- → People
- → Processes
- → Finance





TEN YEAR LOCAL TRANSIT STRATEGY PW14015a Table 1 - Summary of Net Operating Impacts

- - - -

- → Community
- → People
- → Processes
- → Finance



	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Service										
Expenditures	\$800	\$3,500	\$4,800	\$4,500	\$5,500	\$6,000	\$6,000	\$6,000	\$6,500	\$6,500
(000's)										
Fare										
Revenues	-\$1,908	-\$3,770	-\$3,120	-\$3,230	-\$1,825	-\$2,758	-\$2,857	-\$2,909	-\$3,069	-\$3,192
(000's)										
Transfer to										
Reserve	\$1,108	\$270	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$000's)										
Levy (000's)	\$0	\$0	\$1,682	\$1,269	\$3,675	\$3,242	\$3,143	\$3,091	\$3,431	\$3,308
Annual										
Change to	0.00%	0.00%	0.21%	0.15%	0.43%	0.38%	0.37%	0.36%	0.40%	0.39%
City Levy										
Revenue/	47.1%	48.9%	48.4%	48.4%	45.1%	44.1%	43.3%	42.6%	41.9%	41.4%
Cost Ratio	47.1%	40.9%	40.4 %	40.4%	40.1%	44.1%	43.3%	42.0%	41.9%	41.4%

TEN YEAR LOCAL TRANSIT STRATEGY PW14015a Table 2 - Summary of Funded and Unfunded Capital

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Totals
FUNDED CAP	ITAL (000	's)									
Fleet (Local, 45 buses)	\$8,700		\$2,650	\$2,030	\$2,760	\$2,110	\$2,870	\$2,930	\$2,990	\$3,050	\$30,09
UNFUNDED C	APITAL (000's)									
Fleet (BLAST, 81 buses)	\$6,875		\$5,300	\$5,420	\$5,520	\$5,630	\$6,460	\$6,590	\$7,470	\$7,610	\$56,87
Maintenance Storage Facility	\$5,000	\$10,000	\$25,000	\$80,000	\$80,000						\$200,00
Customer Experience	\$4,000	\$4,000	\$4,000	\$4,000	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$39,00
Corridor Capacity	\$200	\$200	\$200	\$200	\$867	\$867	\$867	\$867	\$867	\$867	\$6,00
Totals	\$16,075	\$14,200	\$34,500	\$89,620	\$147,480	\$10,330	\$11,160	\$11,290	\$12,170	\$12,310	\$301,87



- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Unfunded Capital Breakdown

\$57,000,000

Total	\$302,000,00
Brand Strategy Physical Asset Application	\$12,000,00
Branding Strategy, Launch & Marketing	\$4,500,00
BLAST Terminals	\$18,000,00
Customer Amenities	\$4,500,00
Transit Priority Measures along BLAST corridors	\$6,000,00
Maintenance & Storage Facility	\$200,000,00
81 Buses	

81 Buses

- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY PW14015a Table 3 - Net Levy Impact of Fare Increase Alternatives

	Ne	et Levy Im	pact (\$000'	'S)						
Proposed Fare Increases	2015	2016	2017	2018						
25-10-10-10	-1108*	-270*	\$1,682	\$1,269						
15-15-10-10	-498*	\$156	\$1,530	\$1,147						
15-10-10 -498* \$323 \$1,872 \$1,103										
*Amount transferred to reserve. Net Levy Impact = \$0										



→ Community

→ Processes

→ People

→ Finance

TEN YEAR LOCAL TRANSIT STRATEGY Levy Increase Senior Fares – Remove Phased in Multiplier

Proposed Fare Increases	2015	2016	2017	2018
25-10-10-10	22	94	176	262
15-15-10-10	22	93	174	248
15-10-10-10	22	91	166	242

- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Levy Increase Senior Fares – No Increase

Proposed Fare Increases	2015	2016	2017	2018
25-10-10-10	73	255	366	481
15-15-10-10	69	242	352	450
15-10-10-10	69	235	330	434

- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Children 12 and Under Free

- Currently charge one fare ages 5 through 19
 Based on PRESTO data 10% of student rides are taken by children
- CUTA data for child fares:

Waterloo	13%
Brampton	15%
Mississauga	5%
Ottawa	16%

- \$570K estimated loss (based on 15%)
- Expect higher loss (approx. \$1M) due to difficulty enforcing

- → Community
- → People
- → Processes
- → Finance

Hamilton Public Works

TEN YEAR LOCAL TRANSIT STRATEGY Levy Impact Fare Increase 10-10-10-10

LEVY	2015	2016	2017	2018
Operating Levy	33	562	1,737	1,431
Senior - Student Ticket x 13	22	93	169	248
Senior - No Increase	64	229	330	426

- → Community
- → People
- → Processes

→ Finance



TEN YEAR LOCAL TRANSIT STRATEGY Levy Increase Senior Fares – Remove Phased in Multiplier

	Net Levy Impact (\$000's)			
Proposed Fare Increases	2015	2016	2017	2018
25-10-10	-\$1,108	-\$270	\$1,682	\$1,269
15-15-10-10	-\$498	\$156	\$1,530	\$1,147
15-10-10	-\$498	\$323	\$1,872	\$1,103
*Amount transferred to reserve. Net Levy Impact = \$0				

→ Community

- → People
- → Processes
- → Finance



Senior Fare - Multiplier Removed	2015	2016	2017	2018
25-10-10-10	\$22	\$94	\$176	\$262
15-15-10-10	\$22	\$93	\$174	\$248
15-10-10	\$22	\$91	\$166	\$242

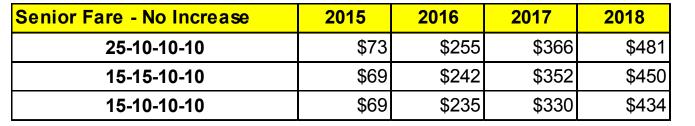
Revised Levy Impact	2015	2016	2017	2018
25-10-10-10	-\$1,086	-\$176	\$1,858	\$1,531
15-15-10-10	-\$476	\$250	\$1,704	\$1,395
15-10-10	-\$476	\$414	\$2,039	\$1,345

TEN YEAR LOCAL TRANSIT STRATEGY Levy Increase Senior Fares – No Increase

	Net Levy Impact (\$000's)			
Proposed Fare Increases	2015	2016	2017	2018
25-10-10-10	-\$1,108	-\$270	\$1,682	\$1,269
15-15-10-10	-\$498	\$156	\$1,530	\$1,147
15-10-10	-\$498	\$323	\$1,872	\$1,103
*Amount transferred to reserve. Net Levy Impact = \$0				

→ Community

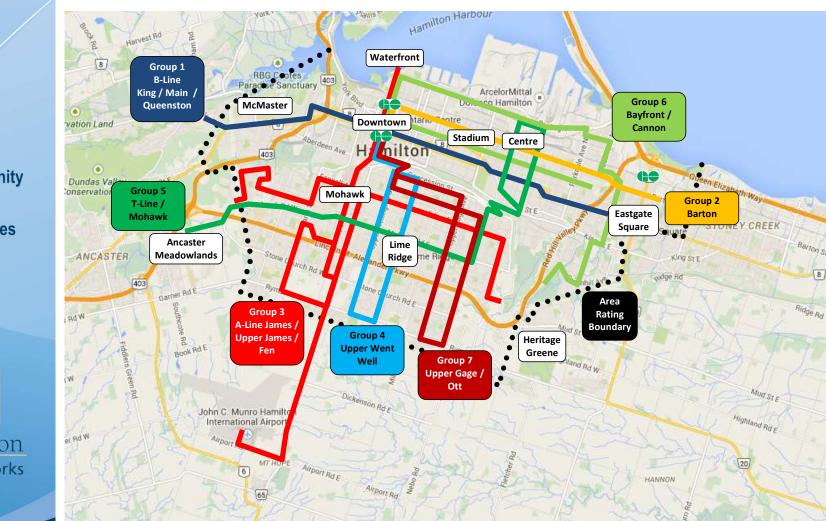
- → People
- → Processes
- → Finance



Revised Net Levy	2015	2016	2017	2018
25-10-10-10	-\$1,035	-\$15	\$2,048	\$1,750
15-15-10-10	-\$429	\$399	\$1,882	\$1,597
15-10-10	-\$429	\$558	\$2,225	\$1,553



TEN YEAR LOCAL TRANSIT STRATEGY Key Map All Groups



- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 1 King/Main/Queenston



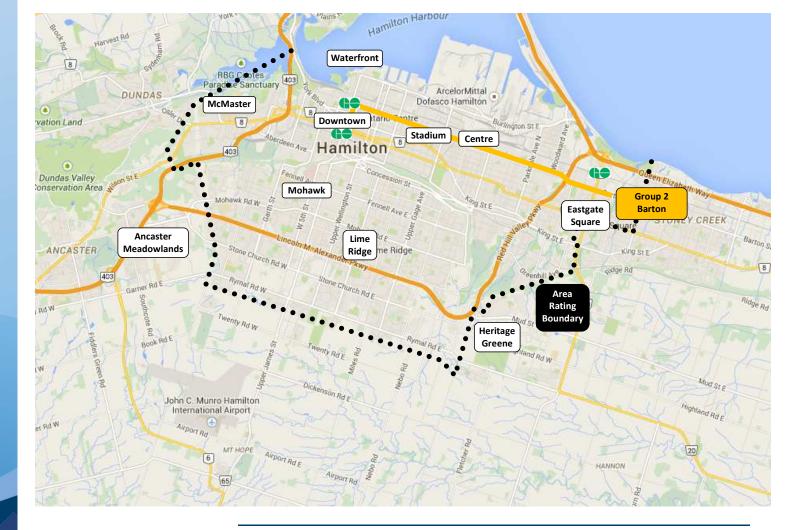
- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 2 Barton

- → Community
- → People
- → Processes
- → Finance



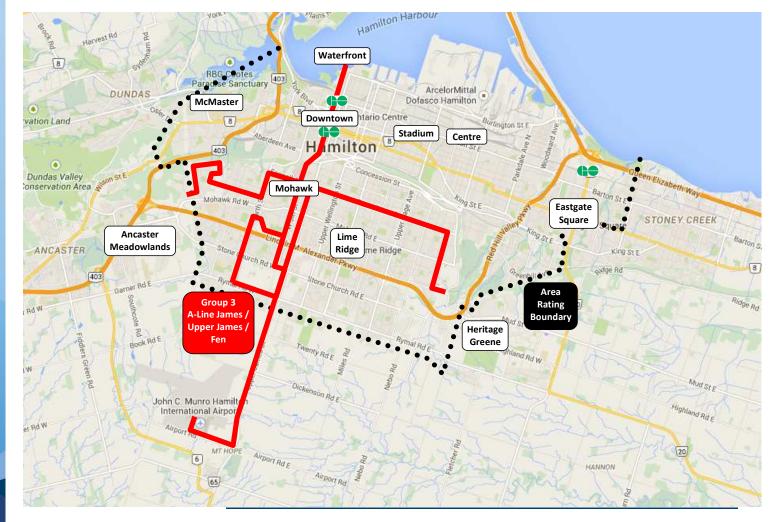


TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 3 A-Line/James/Upper James

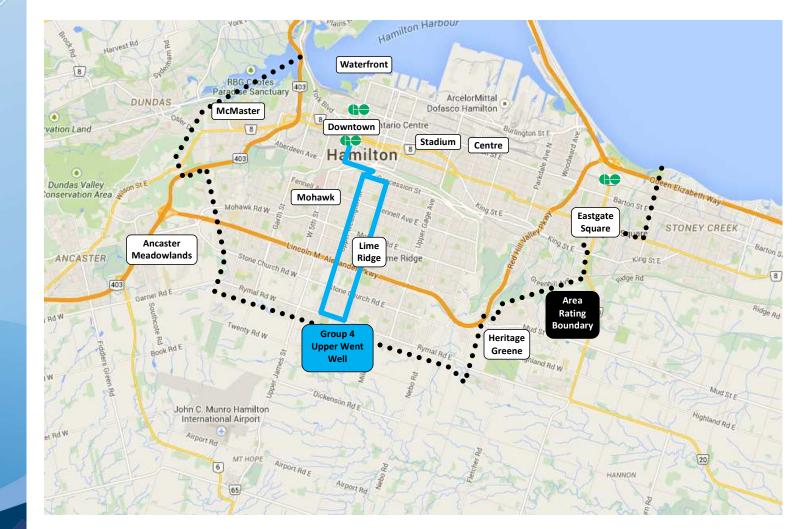


- → People
- → Processes
- → Finance





TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 4 Upper Wentworth/Wellington



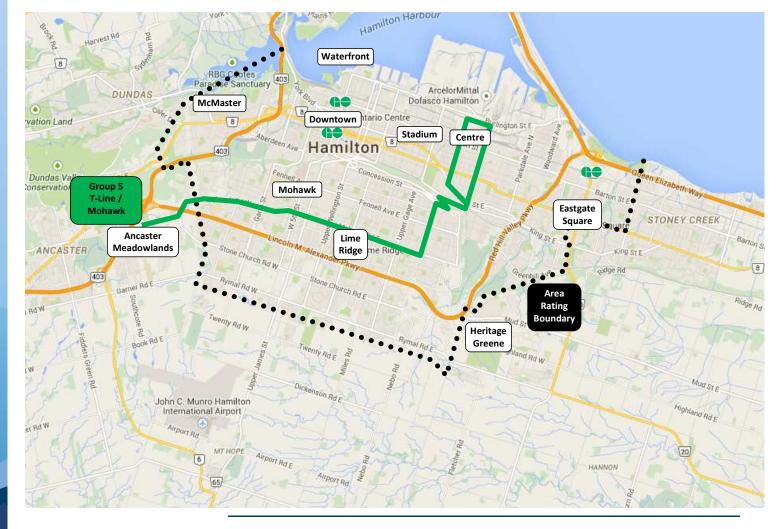
- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 5 T-Line/Mohawk

- → Community
- → People
- → Processes
- → Finance





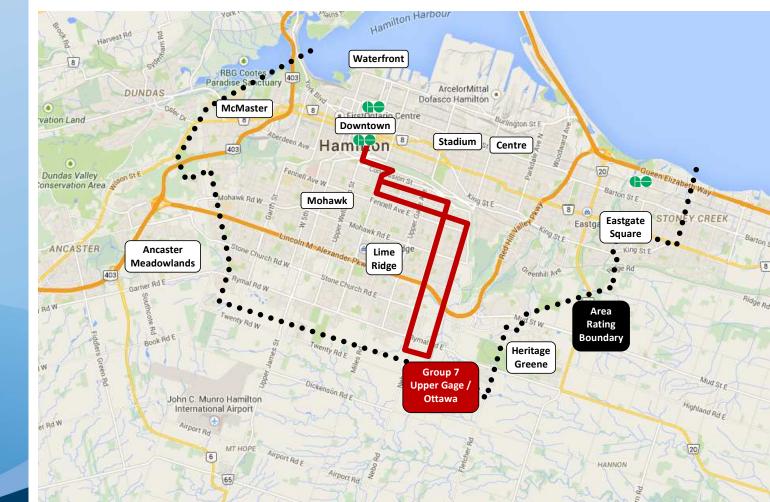
TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 6 Bayfront/Cannon



- → Community
- → People
- → Processes
- → Finance



TEN YEAR LOCAL TRANSIT STRATEGY Key Map Group 7 Upper Gage/Upper Ottawa



- → Community
- → People
- → Processes
- → Finance

