



Transit Commission

Draft Operating and Capital Budget

Tax Supported Programs

Tabled November 9, 2016

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Transportation Services Department - Transit Services

2017 Budget Briefing Note

Description

The Transportation Services Department brings together all services related to the mobility of the City, serving as a holistic transportation hub that focuses on the planning, implementation, operations and delivery of all modes of transportation. Every service and project delivered by the department impacts how people commute – whether by bus, train, car, bicycle, walking or a combination of these – both now and in years to come.

The Transit Services Branch is responsible for providing transportation options that meet the needs and expectations of customers. All public transit vehicles are 100 per cent accessible. Both Ottawa and OC Transpo are undergoing a major transformation with the construction of the O-Train Confederation Line, and many customer-facing and internal systems will be undergoing significant changes so that the new light rail transit system is operational providing multimodal transit services across the city. Transit Services works to provide a safe, convenient, reliable and attractive transit service for all, to build and retain an engaged workforce, and to meet the policy objectives set by Council and the Transit Commission, all within the established budget.

Programs/Services Offered

- OC Transpo bus system, including rapid transit service, main line service, express, local service, and school service
- O-Train Trillium Line service which runs from Bayview Station to Greenboro Station
- Para Transpo service for customers with disabilities

Many support services for the department's operations are also delivered internally, including:

- Operations control

- Customer service
- Maintenance of vehicles and facilities
- Employee management, training, and engagement
- Safety management
- Transit law and fare enforcement
- Service planning
- Stakeholder relations

City of Ottawa
 Transportation Services Department
 Transit Services - Operating Resource Requirement
 In Thousands (\$000)

	2015	2016		2017	\$ Change over 2016 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
General Manager's Office	630	561	561	578	17
Customer Systems & Planning	23,172	24,446	24,227	25,711	1,484
Transit Operations	383,502	399,762	407,818	417,705	9,887
Safety, Compliance, Training & Development	3,739	3,585	3,585	3,927	342
Strategic Initiatives and Business Planning	1,322	1,404	1,404	1,656	252
Non Departmental	98,837	100,350	100,350	102,895	2,545
Gross Expenditure	511,202	530,108	537,945	552,472	14,527
Recoveries & Allocations	-27,599	-47,288	-47,671	-49,138	-1,467
Revenue	-220,905	-224,785	-228,969	-231,873	-2,904
Net Requirement	262,698	258,035	261,305	271,461	10,156
Expenditures by Type					
Salaries, Wages & Benefits	247,529	261,538	269,812	278,132	8,320
Overtime	20,674	20,386	18,970	19,978	1,008
Material & Services	113,671	115,245	119,008	121,177	2,169
Transfers/Grants/Financial Charges	98,897	102,022	102,007	104,597	2,590
Fleet Costs	940	994	1,187	1,122	-65
Program Facility Costs	21,706	21,379	21,925	22,430	505
Other Internal Costs	7,785	8,544	5,036	5,036	0
Gross Expenditures	511,202	530,108	537,945	552,472	14,527
Recoveries & Allocations	-27,599	-47,288	-47,671	-49,138	-1,467
Net Expenditure	483,603	482,820	490,274	503,334	13,060
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Municipal	0	0	0	0	0
Own Funds	-33,445	-33,509	-33,509	-33,509	0
Fees and Services	-187,460	-191,276	-195,460	-198,364	-2,904
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	-220,905	-224,785	-228,969	-231,873	-2,904
Net Requirement	262,698	258,035	261,305	271,461	10,156
Full Time Equivalents			2,981.30	2,981.30	0.00

City of Ottawa
Transportation Services Department
Transit Services - User Fees

	Policy Fare Structure		Equivalent in 2016 \$ [1]	2017 Rate \$	% Change Over 2016	Effective Date	2017 Revenue (\$000)
	Multiplier or Discount	Rounded up to nearest					
OC Transpo - Customers' Fares							
Base fare recommended for approval			3.3000	3.3413	1.25%	1-Jan-2017	
Passes (set by policy from base fare)							
Adult monthly pass	34 x base	quarter	112.25	113.75		1-Jan-2017	
Youth (6-19) monthly pass	23% discount	quarter	86.50	87.75		1-Jan-2017	
EquiPass [2]	50% discount	quarter		57.00		1-Apr-2017	
Senior (65+) monthly pass	62% discount	quarter	42.75	43.25		1-Jan-2017	
Community monthly pass	63% discount	quarter	41.75	42.25		1-Jan-2017	
Access monthly pass	63% discount	quarter	41.75	42.25		1-Jan-2017	
DayPass	3 x base	quarter	10.00	10.25		1-Jan-2017	
U-Pass (per semester)			197.52	202.46	2.5%	1-Sep-2017	
Single-ride fares (set by policy from base fare)							
Adult single-ride fare (paid by e-purse) [3]	1 x base	nickel	3.30	3.35		1-Jan-2017	
Adult single-ride fare (paid by cash/credit/debit) [4]	+ 5 cents	nickel	3.35	3.40		1-Jan-2017	
Adult single-ride fare (paid by ticket)	2 x ticket		3.30	3.40		1-Jan-2017	
Senior (65+) single-ride fare (paid by e-purse) [3]	25% discount	nickel	2.50	2.55		1-Jan-2017	
Senior (65+) single-ride fare (paid by cash/credit/debit) [4]	+ 5 cents	nickel	2.55	2.60		1-Jan-2017	
Child (6-12) single-ride fare (paid by e-purse) [3]	50% discount	nickel	1.65	1.70		1-Jan-2017	
Child (6-12) single-ride fare (paid by cash/credit/debit) [4]	+ 5 cents	nickel	1.70	1.75		1-Jan-2017	
Child (6-12) single-ride fare (paid by ticket)	1 x ticket		1.65	1.70		1-Jan-2017	
Para Transpo discounted fare with Access Pass	33% discount	nickel	2.20	2.25		1-Jan-2017	
Para Transpo rural fare	2.7 x base	quarter	9.00	9.25		1-Jan-2017	
Total fare revenue							
Conventional service (bus and O-Train)							\$ 191,909,000
Para Transpo							\$ 1,997,000
Other fees recommended for approval							
Presto smartcard			6.00	6.00	0.0%		
Photo identification card			8.50	8.75	2.9%	1-Jan-2017	
Regular park and ride permit			24.50	25.00	2.0%	1-Jan-2017	
Gold Pass park and ride permit			56.25	57.00	1.3%	1-Jan-2017	
Charter bus - first hour			516.00	529.00	2.5%	1-Jan-2017	
Charter bus - each additional hour			258.00	264.50	2.5%	1-Jan-2017	

Notes:

- [1] 2016 price based on fare structure approved June 22, 2016
- [2] New discounted fare proposed for 2017
- [3] Also applies to cash fares on Para Transpo
- [4] Credit/debit can be used at ticket machines at O-Train stations

**City of Ottawa
2017 Draft Capital Budget
Transit Commission
Capital Funding Summary**

Project Description	Revenue	Capital Reserve Fund	Gas Tax	Development Charges	Debt Funding	Grand Total
Transit Services						
Renewal of City Assets						
908473 2017 Buildings-Transit Services	0	3,600	0	0	0	3,600
908502 2017 Transit Structures - Drainage	0	780	0	0	0	780
908503 2017 Transitway Roads	0	200	0	0	800	1,000
908504 2017 Transitway Structures	0	0	0	0	100	100
908505 2017 Transitway Structures-site specific	0	300	0	0	0	300
908506 2017 Twy Roads-Scoping Pre/Post Eng	0	100	0	0	0	100
908507 2017 Twy Struc-Scoping Pre/Post Eng	0	200	0	0	0	200
908508 2017 Trillium Line Struc-Scoping Pre/Pos	0	150	0	0	0	150
908661 Rapid Transit Syst Cust Improvemts 2017	0	250	3,000	0	0	3,250
908662 Renewal of Operational Assets - 2017	0	4,000	0	0	0	4,000
908663 Station Accessibility Improvements	0	500	0	0	0	500
908664 Transitway Yearly Rehab - 2017	0	1,000	0	0	0	1,000
908695 Unplanned Infrastructure Response - 2017	0	250	0	0	0	250
908702 Trillium Line & Rail Lifecycle - 2017	0	400	6,000	0	0	6,400
908704 Non Revenue Vehicle Replacement - 2017	0	1,500	0	0	0	1,500
Renewal of City Assets Total	0	13,230	9,000	0	900	23,130
Growth						
906169 OLRT Transition	0	3,005	0	0	0	3,005
Growth Total	0	3,005	0	0	0	3,005
Strategic Initiatives						
908696 IT Corporate Support Platform - 2017	0	1,450	0	0	0	1,450
908698 IT Operations & Control Centre Platform	0	700	0	0	0	700
908699 IT Scheduling Platform	0	1,000	0	0	0	1,000
908700 IT Transit Infrastructure Lifecycle 2017	0	1,300	0	0	0	1,300
Strategic Initiatives Total	0	4,450	0	0	0	4,450
Transit Services Total	0	20,685	9,000	0	900	30,585

**City of Ottawa
2017 Draft Capital Budget
Transit Commission
Capital Funding Summary**

Project Description	Revenue	Capital Reserve Fund	Gas Tax	Development Charges	Debt Funding	Grand Total
Public Transit Infrastructure Funding						
Renewal of City Assets						
908565 PTIF 004 Carleton Siding - Spring switch	1,250	0	0	0	1,250	2,500
908647 PTIF-Pinecrest Garage-sewer line replace	750	0	0	0	750	1,500
908651 PTIF 002 Transit Op Crew room Bayview	750	0	0	0	750	1,500
908654 PTIF-Transitway Resurfacing (022)	1,500	0	0	0	1,500	3,000
908753 PTIF 014 Rural Bus Stop Improvements	200	0	0	0	200	400
908754 PTIF 015 Bus Shelters	375	0	0	0	375	750
908755 PTIF 016 Concrete Bus Pads	175	0	0	0	175	350
908756 PTIF 017 Emergency Phone Upgr at Twy S	1,000	0	0	0	1,000	2,000
908757 PTIF 020 Merivale Driver facil& Elevator	750	0	0	0	750	1,500
908758 PTIF 023 Fare Gate Entrances Transitway	875	0	0	0	875	1,750
908759 PTIF 024 Transit Operator room Hawthorne	250	0	0	0	250	500
908762 PTIF 019Smartbus Infrastructure on board	2,250	0	0	0	2,250	4,500
908763 PTIF 025 Transport Demand Mgmt - detou	15,000	0	0	0	15,000	30,000
908764 PTIF 005 Walkley Interlock Refurb & Repl	5,500	0	0	0	5,500	11,000
908765 PTIF 007 Modern Signal &Control Trillium	1,000	0	0	0	1,000	2,000
908766 PTIF 035 Acquisition of (17) new buses	9,200	0	0	3,496	5,704	18,400
Renewal of City Assets Total	40,825	0	0	3,496	37,329	81,650
Strategic Initiatives						
908761 PTIF 018 Passenger Information Display	1,000	0	0	0	1,000	2,000
Strategic Initiatives Total	1,000	0	0	0	1,000	2,000
Public Transit Infrastructure Funding Total	41,825	0	0	3,496	38,329	83,650
Grand Total	41,825	20,685	9,000	3,496	39,229	114,235

City of Ottawa
Transportation Services Department
Transit Services - Operating Resource Requirement Analysis
In Thousands (\$000)

	2016 Baseline			2017 Adjustments					2017	\$ Change over 2016 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	Council Priorities	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program										
General Manager's Office	561	561	0	17	0	0	0	0	578	17
Customer Systems & Planning	24,446	24,227	0	1,484	0	0	0	0	25,711	1,484
Transit Operations	399,762	407,818	890	8,407	590	0	0	0	417,705	9,887
Safety, Compliance, Training & Development	3,585	3,585	0	342	0	0	0	0	3,927	342
Strategic Initiatives and Business Planning	1,404	1,404	0	252	0	0	0	0	1,656	252
Non Departmental	100,350	100,350	0	2,545	0	0	0	0	102,895	2,545
Gross Expenditure	530,108	537,945	890	13,047	590	0	0	0	552,472	14,527
Recoveries & Allocations	-47,288	-47,671	0	-1,467	0	0	0	0	-49,138	-1,467
Revenue	-224,785	-228,969	-4	-165	-370	0	0	-2,365	-231,873	-2,904
Net Requirement	258,035	261,305	886	11,415	220	0	0	-2,365	271,461	10,156
Expenditures by Type										
Salaries, Wages & Benefits	261,538	269,812	-70	8,003	387	0	0	0	278,132	8,320
Overtime	20,386	18,970	-7	985	30	0	0	0	19,978	1,008
Material & Services	115,245	119,008	967	1,029	173	0	0	0	121,177	2,169
Transfers/Grants/Financial Charges	102,022	102,007	0	2,590	0	0	0	0	104,597	2,590
Fleet Costs	994	1,187	0	-65	0	0	0	0	1,122	-65
Program Facility Costs	21,379	21,925	0	505	0	0	0	0	22,430	505
Other Internal Costs	8,544	5,036	0	0	0	0	0	0	5,036	0
Gross Expenditures	530,108	537,945	890	13,047	590	0	0	0	552,472	14,527
Recoveries & Allocations	-47,288	-47,671	0	-1,467	0	0	0	0	-49,138	-1,467
Net Expenditure	482,820	490,274	890	11,580	590	0	0	0	503,334	13,060
Percent of 2016 Net Expenditure Budget			0.2%	2.4%	0.1%	0.0%	0.0%	0.0%	2.7%	
Revenues By Type										
Federal	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0
Municipal	0	0	0	0	0	0	0	0	0	0
Own Funds	-33,509	-33,509	0	0	0	0	0	0	-33,509	0
Fees and Services	-191,276	-195,460	-4	-165	-370	0	0	-2,365	-198,364	-2,904
Fines	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total Revenue	-224,785	-228,969	-4	-165	-370	0	0	-2,365	-231,873	-2,904
Percent of 2016 Revenue Budget			0.0%	0.1%	0.2%	0.0%	0.0%	1.0%	1.3%	
Net Requirement	258,035	261,305	886	11,415	220	0	0	-2,365	271,461	10,156
Percent of 2016 Net Requirement Budget			0.3%	4.4%	0.1%	0.0%	0.0%	-0.9%	3.9%	
Full Time Equivalents (FTE's)		2,981.30	0.00	0.00	0.00	0.00	0.00	0.00	2,981.30	0.00
Percent of 2016 FTE's			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

City of Ottawa
Transportation Services Department
Transit Services - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2016 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Surplus due to lower diesel prices and usage, lower compensation costs partly offset by higher insurance claims and lower than anticipated fare revenue.	7,454	-4,184	3,270	
Total Surplus / (Deficit)	7,454	-4,184	3,270	
2016 Baseline Adjustment / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2016 Changes	FTE Impact
Annualization of 2016 fare increase.	0	-2,335	-2,335	0.00
Reduction in fare revenue expectations to follow actual purchases made by customers.	0	926	926	0.00
Reduction in revenue expectations to align with current status of condominium developments, festivals and events, and newspaper distribution.	0	1,460	1,460	0.00
Annualization of early and late trips removed in 2016, with fare revenue impacts.	-110	-55	-165	0.00
Increase in insurance claims expenditures.	1,000	0	1,000	0.00
Total Adjustments to Base Budget	890	-4	886	0.00
2017 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2017 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2016 cost of living, increments and benefit adjustments.	7,305	0	7,305	0.00
Increase in expenditures for bus maintenance.	3,610	0	3,610	0.00
Increase in Contribution to Reserves and Debt Charges.	2,590	0	2,590	0.00
Increase in Facility costs related to inflation on hydro increases and leases.	505	0	505	0.00
Adjustment to reflect weekdays, weekends, and holidays in the 2017 calendar.	380	-165	215	0.00
Reduced summer savings related to use of higher-capacity buses.	90	0	90	0.00
Hedging strategy resulted in lower diesel fuel price per litre \$0.985 in 2016 to \$0.92 in 2017.	-2,900	0	-2,900	0.00
Capitalization of Service Hours for Confederation Line Detours.	180	0	180	0.00
Recovery of Service Hours for Confederation Line Detours.	-180	0	-180	0.00
Total Maintain Services	11,580	-165	11,415	0.00

City of Ottawa
 Transportation Services Department
 Transit Services - Operating Resource Requirement Explanatory Notes
 In Thousands (\$000)

2017 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2017 Changes	FTE Impact
Growth				
Service increases for growing areas.	40	-20	20	0.00
Service for 2017 special events.	550	-350	200	0.00
Total Growth	590	-370	220	0.00
User Fees & Revenues				
Fare increase and restructuring effective Jan 1, 2017.	0	-2,365	-2,365	0.00
See following user fee schedule for details on the specific rates.	0	0	0	0.00
Total User Fees & Revenues	0	-2,365	-2,365	0.00
Total Budget Changes	13,060	-2,904	10,156	0.00

Capital Budget

City of Ottawa
2017 Draft Capital Budget
Transit Commission
In Thousands (\$000)

Service Area: Transit Services											
Category	2017 Capital Budget	Revenues	Tax Supported/ Dedicated Reserves	Rate Supported Reserves	Develop. Charges	Gas Tax	Debt				
							Tax/ Dedicated	Rate	Develop. Charges	Gas Tax	Total Debt
Renewal of City Assets	23,130	0	13,230	0	0	9,000	900	0	0	0	900
Growth	3,005	0	3,005	0	0	0	0	0	0	0	0
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Strategic Initiatives	4,450	0	4,450	0	0	0	0	0	0	0	0
Total	30,585	0	20,685	0	0	9,000	900	0	0	0	900

City of Ottawa
2017 Draft Capital Budget
Service Area: Transit Services
In Thousands (\$000)

Project Information		Financial Details				
908661 Rapid Transit Syst Cust Improvemts 2017		Class of Estimate: Not Applicable				
Dept: Transportation Services Departme	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020			
<p>This project will make improvements to Transitway and O-Train stations and facilities for the benefit of customers and operations. Work will include safety modifications, measures to improve efficiency and reliability, improvements to customer facilities, and changes to comply with regulatory standards.</p>		2017 Request	3,250	Projected Yearend Unspent Bal.		0
		Revenues	0	Debt		
		Tax Supported/ Dedicated	250	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	3,000	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	3,250	1,629	1,658	2,743
		Spending Plan	3,250	1,629	1,658	2,743
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		
908662 Renewal of Operational Assets - 2017		Class of Estimate: Not Applicable				
Dept: Transportation Services Departme	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020			
<p>This project provides for planned preventative maintenance program and renewal of facilities and stations to prevent failure and to ensure continuous operations. This program also includes refurbishment and replacement of tools and equipment that have reached their expected end of life.</p>		2017 Request	4,000	Projected Yearend Unspent Bal.		0
		Revenues	0	Debt		
		Tax Supported/ Dedicated	4,000	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	4,000	3,054	3,108	3,165
		Spending Plan	4,000	3,054	3,108	3,165
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		

City of Ottawa
2017 Draft Capital Budget
Service Area: Transit Services
In Thousands (\$000)

Project Information		Financial Details					
908663 Station Accessibility Improvements		Class of Estimate: Not Applicable					
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020				
This project funds accessibility improvements at Transitway and O-Train stations for all customers, including seniors and customers with disabilities.		2017 Request	500	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	500	Tax Supported/ Dedicated Debt			0
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		Forecast	2017	2018	2019	2020	
		Authority	500	509	518	528	
		Spending Plan	500	509	518	528	
		FTE's	0	0	0	0	
		Operating Impact	0	0	0	0	
		908664 Transitway Yearly Rehab - 2017		Class of Estimate: Not Applicable			
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020				
This project will fund the ongoing rehabilitation of existing Transitway and O-Train stations, including condition assessment and infrastructure rehabilitation, and to allow for the implementation of safety and security improvements for customers and staff.		2017 Request	1,000	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	1,000	Tax Supported/ Dedicated Debt			0
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		Forecast	2017	2018	2019	2020	
		Authority	1,000	1,832	1,865	1,899	
		Spending Plan	1,000	1,832	1,865	1,899	
		FTE's	0	0	0	0	
		Operating Impact	0	0	0	0	

City of Ottawa
2017 Draft Capital Budget
Service Area: Transit Services
In Thousands (\$000)

Project Information		Financial Details					
908695 Unplanned Infrastructure Response - 2017		Class of Estimate: Not Applicable					
Dept: Transportation Services Departme	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020				
<p>This program funds responses to unplanned infrastructure-related issues at facilities and stations, to maintain an appropriate working environment for staff while providing safe transit facilities for customers.</p>		2017 Request	250	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	250	Tax Supported/ Dedicated Debt			0
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		Forecast	2017	2018	2019	2020	
		Authority	250	1,270	1,036	1,055	
		Spending Plan	250	1,270	1,036	1,055	
		FTE's	0	0	0	0	
		Operating Impact	0	0	0	0	
		908702 Trillium Line & Rail Lifecycle - 2017		Class of Estimate: Not Applicable			
Dept: Transportation Services Departme	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020				
<p>This project provides funding for vehicle subsystem overhauls and track/signal infrastructure lifecycle projects to maintain the O-Train Trillium Line and its equipment in a state of good repair.</p>		2017 Request	6,400	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	400	Tax Supported/ Dedicated Debt			0
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	6,000	Gas Tax Debt			0
		Forecast	2017	2018	2019	2020	
		Authority	6,400	2,036	2,072	2,110	
		Spending Plan	6,400	2,036	2,072	2,110	
		FTE's	0	0	0	0	
		Operating Impact	0	0	0	0	

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Project Information		Financial Details				
908704 Non Revenue Vehicle Replacement - 2017		Class of Estimate: Not Applicable				
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward CW	Year of Completion: 2020			
<p>This project funds the lifecycle replacement of non-revenue vehicles supporting daily operations including security, supervision, maintenance, stores, revenue generation and others. The fleet is a mix of light and heavy vehicles with various lifecycles: 3 to 15 years or more. The reliability of the system is dependent in part on the timely renewal of the non-revenue transit fleet. In 2017, the funds will be used to purchase replacement maintenance trucks, plough trucks, cars for special constables, and other necessary vehicles to support daily operations.</p>	2017 Request	1,500	Projected Yearend Unspent Bal. 0			
	Revenues	0	Debt			
	Tax Supported/ Dedicated	1,500	Tax Supported/ Dedicated Debt	0		
	Rate Supported	0	Rate Supported Debt	0		
	Develop. Charges	0	Develop. Charges Debt	0		
	Gas Tax	0	Gas Tax Debt	0		
	Forecast	2017	2018	2019	2020	
	Authority	1,500	1,629	1,761	1,899	
	Spending Plan	1,500	1,629	1,761	1,899	
	FTE's	0	0	0	0	
	Operating Impact	0	0	0	0	
	906169 OLRT Transition		Class of Estimate: Not Applicable			
	Dept: Transportation Services Department	Category: Growth	Ward CW	Year of Completion: 2018		
<p>The Multi-Modal Transformation Program (MMTP) develops and implements strategic projects and activities that transform the Transportation Services Department and enable it to deliver a fully integrated multi-modal transit service in 2018. Utilizing a structured project management approach, the MMTP develops and facilitates the implementation of business and service delivery models that ensure a seamless and positive end-to-end customer experience upon day-one of revenue service.</p>	2017 Request	3,005	Projected Yearend Unspent Bal. 28,125			
	Revenues	0	Debt			
	Tax Supported/ Dedicated	3,005	Tax Supported/ Dedicated Debt	0		
	Rate Supported	0	Rate Supported Debt	0		
	Develop. Charges	0	Develop. Charges Debt	0		
	Gas Tax	0	Gas Tax Debt	0		
	Forecast	2017	2018	2019	2020	
	Authority	3,005	2,544	0	0	
	Spending Plan	31,130	2,544	0	0	
	FTE's	0	0	0	0	
	Operating Impact	0	0	0	0	

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Project Information			Financial Details				
908696	IT Corporate Support Platform - 2017	Class of Estimate:	Not Applicable				
Dept:	Transportation Services Departme	Category: Strategic Initiatives	Ward CW	Year of Completion: 2020			
<p>This project provides for work required to maintain existing legacy systems that support transit operations, during the migration to the new vendor-supported applications. This is consistent with the strategy identified in the eTranspo roadmap as approved by Council in June 2010 and re-affirmed by the Transit Commission in October 2013.</p>			2017 Request	1,450	Projected Yearend Unspent Bal.		0
			Revenues	0	Debt		
			Tax Supported/ Dedicated	1,450	Tax Supported/ Dedicated Debt	0	
			Rate Supported	0	Rate Supported Debt	0	
			Develop. Charges	0	Develop. Charges Debt	0	
			Gas Tax	0	Gas Tax Debt	0	
			Forecast	2017	2018	2019	2020
			Authority	1,450	407	0	422
			Spending Plan	1,450	407	0	422
			FTE's	0	0	0	0
Operating Impact	0	0	0	0			
908698	IT Operations & Control Centre Platform	Class of Estimate:	Not Applicable				
Dept:	Transportation Services Departme	Category: Strategic Initiatives	Ward CW	Year of Completion: 2020			
<p>This project provides for integration of systems and data feeds into the new control centre, and lifecycle replacement of controller workstations.</p>			2017 Request	700	Projected Yearend Unspent Bal.		0
			Revenues	0	Debt		
			Tax Supported/ Dedicated	700	Tax Supported/ Dedicated Debt	0	
			Rate Supported	0	Rate Supported Debt	0	
			Develop. Charges	0	Develop. Charges Debt	0	
			Gas Tax	0	Gas Tax Debt	0	
			Forecast	2017	2018	2019	2020
			Authority	700	0	518	211
			Spending Plan	700	0	518	211
			FTE's	0	0	0	0
Operating Impact	0	0	0	0			

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Project Information		Financial Details				
908699 IT Scheduling Platform		Class of Estimate:		Not Applicable		
Dept: Transportation Services Departme	Category: Strategic Initiatives	Ward CW	Year of Completion: 2020			
<p>As part of the implementation of the Transit Modernization Program, additional requirements have been identified to support the business as it moves into a multi-modal transformation. The additional funding is required to implement functionalities identified during the comprehensive business process reengineering and for staff resources required for implementation to backfill position to free up SME.</p>		2017 Request	1,000	Projected Yearend Unspent Bal.		0
		Revenues	0	Debt		
		Tax Supported/ Dedicated	1,000	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	1,000	509	0	528
		Spending Plan	1,000	509	0	528
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		
908700 IT Transit Infrastructure Lifecycle 2017		Class of Estimate:		Not Applicable		
Dept: Transportation Services Departme	Category: Strategic Initiatives	Ward CW	Year of Completion: 2020			
<p>This project funds technology Infrastructure replacement as part of normal life cycle. Infrastructure must be replaced in order to support delivery of service, customer information and safety, and allows for systems integration to support the O-train Confederation Line service.</p>		2017 Request	1,300	Projected Yearend Unspent Bal.		0
		Revenues	0	Debt		
		Tax Supported/ Dedicated	1,300	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	1,300	0	2,072	0
		Spending Plan	1,300	0	2,072	0
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		

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Program Information	Financial Details
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Buildings-Transit		Class of Estimate: C) Planning	
Dept: Planning, Infrastructure & Economic	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various

The Building and Park programs provide for life cycle renewal and replacement works to existing building and park assets. Detailed scope of work for specific projects extends to a wide assortment of work, such as roof replacement, building preservation, building mechanical and electrical systems, parks playgrounds and property elements, hard landscaping, arena and pool equipment and unplanned emergency work.

Annual programming provides allocations as required for each of the service areas as follows:

Service Area	Buildings	Parks
By-Law Services	120	
Child Care Services	235	
Cultural Services	1,720	
Fire Services	775	
General Government	1,370	
Public Library	450	
Long Term Care	1,610	
Parks & Recreation Facilities	13,710	5,000
Roads Services	1,410	
Social Services	460	
Water Services	50	
Transit Services	3,600	
TOTAL Authority Request	25,510	5,000

2017 Request	3,600	Projected Yearend Unspent Bal.		
Revenues	0	Debt		
Tax Supported/ Dedicated	3,600	Tax Supported/ Dedicated Debt	0	
Rate Supported	0	Rate Supported Debt	0	
Develop. Charges	0	Develop. Charges Debt	0	
Gas Tax	0	Gas Tax Debt	0	
Forecast	2017	2018	2019	2020
Authority	3,600	3,600	3,600	3,600
Spending Plan	2,700	3,420	3,600	3,600
FTE's	0	0	0	0
Operating Impact	0	0	0	0

Forecasts are based on bulk allocations that will be detailed in future budget submissions. Project cost group summaries are provided following this program summary.

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Service Area: Transit Services
 In Thousands (\$000)

Project Information		Location/Description	\$000's
908473 2017 Buildings-Transit Services		Class of Estimate: C) Planning	3,600
Category: Renewal of City Assets Ward: CW		Year of Completion: 2019	
<p>This program provides for life cycle renewal and replacement works to existing building assets and is a component of the corporate Building and Park program.</p>			
07	Bus Storage - Pinecrest	Sprinkler System Analysis	
07	Bus Storage - Pinecrest	Concrete Repairs - Bays 1108 to 1113	
07	Bus Storage - Pinecrest	Replace Sidewalk - South West Side	
08	Queensway Transitway Station	Rehabilitate Stairs - Concrete Stairs Repairs	
08	Queensway Transitway Station	Floor - Traffic Coating Replacement	
09	Office and Garage - Merivale	Sprinkler System Analysis	
10	Greenboro Station - Light Rail	Replace Concrete Platforms - North and South	
10	South Keys Transitway Station	Replace Concrete Curbs - North and South	
17	Billings Bridge Transitway Station	Replace Lower Level Concrete Curbs	
17	Heron Transitway Station	Replace Concrete Curbs - North and South	
17	Lycee Claudel Transitway Station	Replace Entrance Drainage System	
18	North Garage and Office	Sprinkler System Analysis	
18	899 Belfast Rd Admin and Shops	Replace Wood Garage Doors (3)	
18	Riverside Hospital Transitway Station	Replace Sprinkler and Support Systems	
CW	City Wide: Transit Services Facilities	Unscheduled Works: Transit Facilities	
CW	City Wide: Transit Services Facilities	West Transitway Electrical Review	
CW	City Wide: Transit Services Facilities	Fixed Ladders Condition Study	

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Program Information		Financial Details				
Transit Rail Structures		Class of Estimate: C) Planning				
Dept: Infrastructure Services	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various			
<p>The Transit Rail Structures Program provides for condition assessments, rehabilitation and reconstruction works undertaken on the Trillium Line structures (non rail / rail bed - infrastructure).</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions following completion of a review.</p>		2017 Request	150	Projected Yearend Unspent Bal.		
		Revenues	0	Debt		
		Tax Supported/ Dedicated	150	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	150	150	8,100	5,250
		Spending Plan	150	1,690	7,790	3,530
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		

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Project(s) within a Program Information			\$000's
908508	2017 Trillium Line Struc-Scoping Pre/Pos	Class of Estimate: C) Planning	150
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2019	
<p>Scoping and design briefs are necessary to adequately define transit road conditions, coordinate requirements and project limits prior to initiating design stages. Post construction funding is required to address assessments and unplanned/unexpected adjustments outside the original implementation funding envelopes.</p>			

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Program Information		Financial Details				
Transit Roads & Structures		Class of Estimate: C) Planning				
Dept: Planning, Infrastructure & Economic	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various			
<p>The Transit Roads & Structures Program provides for condition assessments, lifecycle renewal, rehabilitation and reconstruction works undertaken on the City's existing roadways and structures dedicated to transit. The program is focused on:</p> <ul style="list-style-type: none"> • Roads and Park & Ride Areas (renewal of roadways and parking dedicated to transit); • Transitway Structures (renewal of bridges, culverts, retaining walls serving the dedicated transit network); and • Project Scoping and Engineering. <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions following completion of a review.</p>		2017 Request	600	Projected Yearend Unspent Bal.		
		Revenues	0	Debt		
		Tax Supported/ Dedicated	600	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2017	2018	2019	2020
		Authority	600	600	600	600
		Spending Plan	600	600	600	600
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		

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Project(s) within a Program Information			\$000's
908506	2017 Twy Roads-Scoping Pre/Post Eng	Class of Estimate: C) Planning	100
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2019	
<p>Scoping and design briefs are necessary to adequately define transit road conditions, coordination requirements and project limits prior to initiating design stages. Post construction funding is required to address assessments and unplanned/unexpected adjustments outside the original implementation of funding envelopes.</p>			
908507	2017 Twy Struc-Scoping Pre/Post Eng	Class of Estimate: C) Planning	200
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2019	
<p>Scoping and design briefs for transitway structures are necessary to adequately define conditions, coordinate requirements and explore renewal options prior to initiating design stages. Post construction funding is required to address assessments and unplanned/unexpected adjustments outside the original implementation of funding envelopes.</p>			
908505	2017 Transitway Structures-site specific	Class of Estimate: C) Planning	300
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2019	
<p>Funding is required to undertake engineering, design and construction of unexpected structural renewal works that may arise over the course of the year.</p>			

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Project Information		Location/Description	\$000's
908503 2017 Transitway Roads		Class of Estimate: C) Planning	1,000
Category: Renewal of City Assets Ward: CW		Year of Completion: 2019	
<p>This program provides for engineering and construction activities to maintain and rehabilitate the existing transit roadway infrastructure. The activities include asphalt overlays, rehabilitation of concrete pavements and other surface repairs/rehabilitation works on roadways dedicated to transit and transit stations.</p>			
7	Lincoln Fields Bus Loop	Carling Ave To West Transitway Mainline	
10	Southeast Transitway	Greenboro Station To South Keys Station	
CW	Annual Concrete Pavement Repairs At Various Stations		
CW	Annual Asphalt Pavement Spot Repairs At Various Locations		

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In Thousands (\$000)

Project Description	Total Project Authority	Federal Contribution	Provincial Contribution	City Wide Funding	Transit Funding
908565 Carleton Siding - Spring switch replacement with new powered switches Design and Construction; Removal of the two aged rail spring switches on the Trillium Line near Carleton Station and installation of two new dual control powered rail switches. Modification of approximately 800m of track to meet improved track standards and construction of a retaining wall to support the new alignment. Installation of two new turnouts, six new signal masts and two new signal bungalows to support the infrastructure	2,500	1,250	-	-	1,250
908565 Carleton Siding - Spring switch replacement with new powered switches Total	2,500	1,250	-	-	1,250
908647 OC Transpo - Pinecrest Garage, sewer line replacement Design and Construction; This project would fund the renewal of life-expired sewer infrastructure at Pinecrest Garage, one of OC Transpo's four bus operating locations	1,500	750	-	-	750
908647 OC Transpo - Pinecrest Garage, sewer line replacement Total	1,500	750	-	-	750
908648 Customer waiting areas at major Confederation Line stations Design and Construction; Improvement of the customer waiting areas on bus platforms at three major transfer stations on the Confederation Line. The current funding level provides for minimal shelters. Incremental funding would allow for more of the waiting space to be enclosed and heated and to be designed at a higher standard of comfort. With the additional funding, a customer experience could be provided which is closer to being consistent with the customer experience at existing Transitway stations	2,000	1,000	-	-	1,000
908648 Customer waiting areas at major Confederation Line stations Total	2,000	1,000	-	-	1,000
908651 Transit operator crew room at Bayview station Design and Construction; Construction and fit-up of a work room for transit operational staff at Bayview Station, where the two O-Train lines intersect. This crew room will allow for staff to report for work, receive work instructions, carry out briefings, complete desk work, store clothing and equipment, and other essential tasks. By locating the crew room at Bayview Station, travel time to both O-Train lines can be minimized. This location is consistent with the planned southerly extension of the Trillium Line	1,500	750	-	-	750
908651 Transit operator crew room at Bayview station Total	1,500	750	-	-	750
908653 Tunneys Pasture Bus Loop					

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In Thousands (\$000)

Design and Construction; This project provides the requisite layup spaces for OC Transpo, provides an additional bus bay and puts all stops in the fare paid zone. The bus circulation pattern is simplified. It also impacts the intersection and street lighting design. The bus loop will provide bus staging, avoid the need for more land, include all bus bays in the fare paid area and remove bus circulation from Yarrow Drive.	3,000	1,500	-	-	1,500
908653 Tunneys Pasture Bus Loop Total	3,000	1,500	-	-	1,500
908654 Transitway (Busway) Pavement Resurfacing					
Design and Construction; This funding would support repaving of the Transitway running way at locations where the current surface is uneven because of wear, to improve ride quality for customers and bus operators, and to reduce maintenance costs. Additional benefits of maintaining the road surface in good condition include improved bus ridership experience, longer service life of the pavement structure, less wear and tear on buses, and reduction of traffic-induced vibrations experienced in adjacent buildings	3,000	1,500	-		1,500
908654 Transitway (Busway) Pavement Resurfacing Total	3,000	1,500	-		1,500
908665 Baseline Transit Corridor - Bayshore to Billings- Design					
Design; The Baseline Bus Rapid Transit Corridor is a strategic transit project that will expand and connect Ottawa's existing and planned Transitway and Light Rail Transit (LRT) network, providing a "crosstown" transit corridor from Bayshore to Confederation Heights, without having to pass through the downtown. It connects to the City's Confederation Line at Bayshore, Baseline; and connects to the Trillium Line; as well as the Southeast Transitway. Along the 13.8 km route, the median transit facility will include 24 new bus stops to maximize the connectivity to the communities they serve. The project also includes 20 km of new concrete sidewalks, 3.2 km of multi-use pathways, 20 km of separated cycle tracks, and 1.5 km of shoulder bike lanes. Once constructed this arterial corridor will be a multi-modal "Complete Street". Today's 6,500 daily ridership is expected to grow to more than 10,000 riders a day by 2031, with additional capacity to enable continued travel growth into the future as the corridor redevelops and ridership flourishes. Efforts will be made to complete the work as quickly as is practicable but this is a large project with complex designs and multiple stakeholder engagement and approvals. It is anticipated the design	12,000	6,000	-	-	6,000
908665 Baseline Transit Corridor - Bayshore to Billings- Design Total	12,000	6,000	-	-	6,000
908666 Chapman Mills transit corridor - Beatrice to Longfields					

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In Thousands (\$000)

Design and Construction; This project is the detail design work and construction for the extension of median transit lanes (one in each direction) along Chapman Mills Dr from its current terminus at Beatrice Dr to Longfields Dr. It is approximately 775 m in length. Buses currently operate in mixed traffic along this section and have to transition from general traffic lanes to the median transitway facility east of Beatrice Dr. Extension of exclusive median BRT lanes to Longfields Dr will help improve transit service efficiency along the corridor for the growing suburban community of Barrhaven.	3,000	1,500	-	-	1,500
908666 Chapman Mills transit corridor - Beatrice to Longfields Total	3,000	1,500	-	-	1,500
908682 Elevator at Tremblay station					
Design and Construction; Additional funding to provide a second elevator to/from each platform at Tremblay Station. Base funding for the O-Train Confederation Line was sufficient to provide for dual elevators at each location at all other stations, but not at Tremblay Station. Dual elevators provide the security of redundancy, so that if one elevator is out of service, the other is available to provide fully-accessible service to all customers at the station. Without the second elevator, when the only elevator is out of service, customers requiring an elevator would be required to travel to the next station on the line, cross over to the other platform, and return to Tremblay	1,000	500	-	-	500
908682 Elevator at Tremblay station Total	1,000	500	-	-	500
908754 Bus shelters					
Design and Construction; Would allow for the installation of 90 additional bus shelters at busy stops across the OC Transpo system. Shelters encourage transit ridership by reducing customers' exposure to wind, rain, and snow. There is currently a long waiting list of locations where conditions and ridership would warrant the installation of shelters but where funding has not allowed	750	375	-	-	375
908754 Bus shelters Total	750	375	-	-	375
908755 Concrete bus pads					
Design and Construction; Would allow for the improvement of waiting and boarding conditions at 100 stops across the OC Transpo system. Concrete pads provide a more comfortable place to wait year-round, improve the ability of customers using mobility devices to board and disembark from buses, and can also allow for the installation of shelters	350	175	-	-	175
908755 Concrete bus pads Total	350	175	-	-	175
908756 Emergency phone upgrades at Transitway stations					

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In Thousands (\$000)

Design and Construction; This project would fund the replacement of older emergency phones at stations, to be replaced with the current, modern model that is being installed at stations on the O-Train Confederation Line. Emergency telephones improve the safety and security of customers by allowing them to contact the OC Transpo security control centre if there are issues of concern to them, and improving customers' sense of safety can support increased use of transit by vulnerable customers or at quieter times of the day	2,000	1,000	-		1,000
908756 Emergency phone upgrades at Transitway stations Total	2,000	1,000	-		1,000
908757 OC Transpo - Merivale Garage - Driver facility and elevator					
Design and Construction; This project would fund the reconstruction of the work area for transit operational staff at Merivale Garage, one of OC Transpo's four bus operating locations. This crew area allows for staff to report for work, receive work instructions, carry out briefings, complete desk work, store clothing and equipment, and other essential tasks. The elevator will provide full accessibility to both levels of the facility	1,500	750	-		750
908757 OC Transpo - Merivale Garage - Driver facility and elevator Total	1,500	750	-		750
908758 Fare gate entrances at Transitway stations					
Design and Construction; This project would allow the extension of the new fare control system of fare gates and fare vending machines to additional rapid transit stations on the OC Transpo system. The current fare control project is for the design and configuration of the system and for the gates and machines to be installed on both O-Train lines. With this incremental funding, the fare gates and fare vending machines could also be installed at up to 10 other stations, to provide the benefits of self-serve fares to more customers. Stations that are expected to be converted from bus to train with the Stage 2 extensions would not be included in this project, but would be converted under a separate project at the time	1,750	875	-	-	875
908758 Fare gate entrances at Transitway stations Total	1,750	875	-	-	875
908759 Transit operator crew room at Hawthorne loop					
Design and Construction; Construction and fit-up of a work room and waiting room, to provide improved working conditions for transit operational staff at Hawthorne Loop. This would replace the current temporary trailer at that location	500	250	-	-	250
908759 Transit operator crew room at Hawthorne loop Total	500	250	-	-	250
908760 Transit Priority Projects					

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In Thousands (\$000)

Design and Construction; This project would fund additional projects to improve the reliability, flow, and speed of transit service, particularly on congested sections of the City's road network. Improved reliability and reduced travel times both improve customers' confidence in transit service and thus support increasing ridership. Projects include design and construction of transit priority measures, including, but not limited to, dedicated bus lanes, queue jumps, signal priority, line painting etc. along Carling Avenue, Montreal Road, Merivale Road, Tenth Line Road, Bank Street, Gladstone, Blackburn Hamlet ByPass, and Beechwood/Hemlock. Efforts will be made to complete the work as quickly as is practicable but some of these projects are more complex and require coordination with other projects. It is anticipated construction could extend over the course of the 2017 and 2018 construction seasons to bring to completion.	8,700	4,350	-	-	4,350
908760 Transit Priority Projects Total	8,700	4,350	-	-	4,350
908761 Passenger information displays					
Design and Construction; OC Transpo provides real-time information for customers, showing when the next bus or next train will arrive, based on actual GPS data. This information is currently available to customers who use smartphone apps, who receive SMS text messages, or who receive information by phone through an IVR system. This project would allow these data to also be supplied on video screens to customers waiting at stations. The information displays would also be used to provide customised information to customers in the case of a significant delay to service, or other information about upcoming transit service changes	2,000	1,000	-		1,000
908761 Passenger information displays Total	2,000	1,000	-		1,000
908762 Smartbus infrastructure on board buses					
Design and Construction; This project would fund an upgrade to the current computer hardware on board all buses. The on-board computers support a number of customer-facing and operational systems, including next-stop announcements on board, next-bus arrival times for waiting customers, route mapping for operators, service control, and automatic passenger counting and recording of other data sources related to bus operation or operating condition. The current hardware is several years old and runs an operating system that is no longer supported by Microsoft. The newer hardware would allow for current and future requirements to be met, such as printing barcodes on transfers to allow customers to transfer from buses to trains at O-Train Confederation Line stations	4,500	2,250	-		2,250
908762 Smartbus infrastructure on board buses Total	4,500	2,250	-		2,250

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908763 Transportation Demand Management (TDM) (Bus detours) during LRT construction					
Implementation; There will be substantial operating costs required to sustain transit service at a good level of quality during the construction of the Stage 1 Confederation Line, where the Transitway needs to be closed for conversion to rail. Proper investment to support transit services through the period of construction bolsters customers' confidence in the service, ensuring that people remain transit customer through the difficult years of transition, ready to switch to rail as the light rail line is completed. Increased operational costs are due to construction detours, which are a result of the closure of East Transitway between Blair and Laurier Stations and of the West Transitway between Tunney's Pasture and LeBreton Stations. Buses are required to operate on slower moving and more indirect routing, which increases customers' travel time.	30,000	15,000	-	-	15,000
908763 Transportation Demand Management (TDM) (Bus detours) during LRT construction Total	30,000	15,000	-	-	15,000
908764 Walkley rail intersection track improvements					
Design and Construction; Replacement and lifecycle renewal of the 500m yard track leading from the Walkley Yard train maintenance facility to the Walkley diamond rail intersection. Replacement and lifecycle renewal of the track, rail, and signal infrastructure at the Walkley tracks connecting Greenboro Station, Trillium Line access points, and the Trillium Line main track. Replacement of seven turnouts including all associated switch machines, signal masts, and connecting tracks	11,000	5,500	-	-	5,500
908764 Walkley rail intersection track improvements Total	11,000	5,500	-	-	5,500
908765 Modern signalling and control system for O-Train Trillium Line					
Design; Analysis and design of a modern train cab signal and control system to replace the existing fixed block and stop protection signal system on the Trillium Line. Design activity to create engineering and design specifications to upgrade the current Trillium Line fleet and wayside signals equipment	2,000	1,000	-	-	1,000
908765 Modern signalling and control system for O-Train Trillium Line Total	2,000	1,000	-	-	1,000
908766 Acquisition of 17 new buses					

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PTIF Program Project Listing

In Thousands (\$000)

Acquisition; This project is to expand the OC Transpo bus fleet to allow for additional transit service and additional service capacity to be provided in growing areas of the City. The current bus fleet is sufficient to support only the current service levels, and the fleet retirement and renewal plan provides for only enough buses to match current service levels beyond the opening of the O-Train Confederation Line. While a number of buses will be retired when the Confederation Line opens, those are buses that will reach the end of their economic life in 2018. This project would fund the acquisition of 17 new high-capacity buses	18,400	9,200	-	-	9,200
908766 Acquisition of 17 new buses Total	18,400	9,200	-	-	9,200
908752 Mann Avenue Transit Structure Replacement					
Design and Construction; Mann Avenue bridge is an existing Bus Transitway structure to be converted for Light Rail purposes. Upon evaluation of the existing structure it was determine that there was extensive corrosion in both the east and west abutments of the bridge. Given the age (58 years) and the expected useful life to support the LRT project post revenue service, a review was completed and 3 options were considered, namely; installation of cathodic protection in all the abutment of piles; reinforce the foundation footings; or build a new concrete box-girder bridge. Staff have recommended to build a new concrete box-girder bridge. This option is the least disruption to the light rail schedule, has minimal impact on traffic and utilities with known design parameters (75 years) that will ensure that the new light rail system would have no lifecycle issues during the 30 year maintenance period	5,000	2,500	-	-	2,500
908752 Mann Avenue Transit Structure Replacement Total	5,000	2,500	-	-	2,500
Grand Total	117,950	58,975	-	-	58,975

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Capital Forecast Summary

In thousands (\$000)

Project Description	2017	2018	2019	2020	Total
Transit Services					
Renewal of City Assets					
900300 IT Smartcard	0	0	207	0	207
905980 Transit Brand Renewal	0	0	0	264	264
906103 Renewal Transit Park & Ride	0	0	750	0	750
907001 Bus Replacement	0	0	14,297	72,162	86,459
907300 2017 Trillium Line Structures	0	0	600	5,100	5,700
907830 IT Security Platform	0	0	0	528	528
908192 Rideau River Trillium Line Bridge	0	0	7,350	0	7,350
908225 Bus Stops and Shelters - 2016	0	906	922	939	2,767
908228 Transit Priority Road & Signal Project	0	11,525	7,820	4,655	24,000
908234 Bus Refurbishment - 2016	0	45,538	20,680	68,543	134,761
908473 2017 Buildings-Transit Services	3,600	3,600	3,600	3,600	14,400
908502 2017 Transit Structures - Drainage	780	390	250	250	1,670
908503 2017 Transitway Roads	1,000	3,000	3,100	3,400	10,500
908504 2017 Transitway Structures	100	1,000	0	2,300	3,400
908505 2017 Transitway Structures-site specific	300	300	300	300	1,200
908506 2017 Twy Roads-Scoping Pre/Post Eng	100	100	100	100	400
908507 2017 Twy Struc-Scoping Pre/Post Eng	200	200	200	200	800
908508 2017 Trillium Line Struc-Scoping Pre/Pos	150	150	150	150	600
908661 Rapid Transit Syst Cust Improvemts 2017	3,250	1,629	1,658	2,743	9,280
908662 Renewal of Operational Assets - 2017	4,000	3,054	3,108	3,165	13,327
908663 Station Accessibility Improvements	500	509	518	528	2,055
908664 Transitway Yearly Rehab - 2017	1,000	1,832	1,865	1,899	6,596
908695 Unplanned Infrastructure Response - 2017	250	1,270	1,036	1,055	3,611
908697 IT On - Board Platform (Smartbus)	0	713	11,396	0	12,109
908701 Heavy Overhaul Lint Trains	0	0	0	12,660	12,660
908702 Trillium Line & Rail Lifecycle - 2017	6,400	2,036	2,072	2,110	12,618
908703 Growth Non Revenue Vehicles	0	0	1,036	0	1,036

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Capital Forecast Summary

In thousands (\$000)

Project Description	2017	2018	2019	2020	Total
908704 Non Revenue Vehicle Replacement - 2017	1,500	1,629	1,761	1,899	6,789
Renewal of City Assets Total	23,130	79,381	84,776	188,550	375,837
Growth					
906169 OLRT Transition	3,005	2,544	0	0	5,549
Growth Total	3,005	2,544	0	0	5,549
Strategic Initiatives					
906433 IT Transit Customer Svce Platform	0	407	1,450	2,005	3,862
906527 IT Maintenance Platform	0	1,018	0	0	1,018
907828 IT Para Transpo Platform	0	0	414	0	414
908696 IT Corporate Support Platform - 2017	1,450	407	0	422	2,279
908698 IT Operations & Control Centre Platform	700	0	518	211	1,429
908699 IT Scheduling Platform	1,000	509	0	528	2,037
908700 IT Transit Infrastructure Lifecycle 2017	1,300	0	2,072	0	3,372
Strategic Initiatives Total	4,450	2,341	4,454	3,166	14,411
Transit Services Total	30,585	84,266	89,230	191,716	395,797
Public Transit Infrastructure Funding					
Renewal of City Assets					
908565 PTIF 004 Carleton Siding - Spring switch	2,500	0	0	0	2,500
908647 PTIF-Pinecrest Garage-sewer line replace	1,500	0	0	0	1,500
908648 PTIF 006 Customer waiting area Confed St	2,000	0	0	0	2,000
908651 PTIF 002 Transit Op Crew room Bayview	1,500	0	0	0	1,500
908653 PTIF 003 Tunney's Pasture Bus Loop	3,000	0	0	0	3,000
908654 PTIF-Transitway Resurfacing (022)	3,000	0	0	0	3,000
908682 PTIF-008 Elevator Tremblay Station	1,000	0	0	0	1,000
908752 PTIF 001 Mann Ave Transit Structure Repl	5,000	0	0	0	5,000
908754 PTIF 015 Bus Shelters	750	0	0	0	750
908755 PTIF 016 Concrete Bus Pads	350	0	0	0	350
908756 PTIF 017 Emergency Phone Upgr at Twy Stn	2,000	0	0	0	2,000

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Capital Forecast Summary

In thousands (\$000)

Project Description	2017	2018	2019	2020	Total
908757 PTIF 020 Merivale Driver facil& Elevator	1,500	0	0	0	1,500
908758 PTIF 023 Fare Gate Entrances Transitway	1,750	0	0	0	1,750
908759 PTIF 024 Transit Operator room Hawthorne	500	0	0	0	500
908760 PTIF 034 Transit Priority Projects	8,700	0	0	0	8,700
908762 PTIF 019Smartbus Infrastructure on board	4,500	0	0	0	4,500
908763 PTIF 025 Transport Demand Mgmt - detours	30,000	0	0	0	30,000
908764 PTIF 005 Walkley Interlock Refurb & Repl	11,000	0	0	0	11,000
908765 PTIF 007 Modern Signal &Control Trillium	2,000	0	0	0	2,000
908766 PTIF 035 Acquisition of (17) new buses	18,400	0	0	0	18,400
Renewal of City Assets Total	100,950	0	0	0	100,950
Growth					
908665 PTIF-Baseline Trt Corr-Bayshore-Billings	12,000	0	0	0	12,000
908666 PTIF-Chapman Mills Beatrice-Longfields36	3,000	0	0	0	3,000
Growth Total	15,000	0	0	0	15,000
Strategic Initiatives					
908761 PTIF 018 Passenger Information Display	2,000	0	0	0	2,000
Strategic Initiatives Total	2,000	0	0	0	2,000
Public Transit Infrastructure Funding Total	117,950	0	0	0	117,950
Grand Total	148,535	84,266	89,230	191,716	513,747

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Capital Works-in-Progress (as of August 31, 2016)

In Thousands (\$000)

Project Description	Total Authority	Expenditures as at August 31, 2016	Unspent Cash Balance As at August 31, 2016	Total Contractual Obligations	Unspent/ Uncommitted Balance
Transit Services					
Renewal of City Assets					
900300 IT Smartcard	34,124	31,003	3,121	1,916	1,205
904610 IT Bus Radio System	13,589	12,868	721	21	700
905152 Building Capacity Improvement	16,161	16,082	79	70	9
905160 Customer Service Platform	4,975	4,567	408	185	223
905174 Transit Security Platform	3,722	2,058	1,664	1,214	450
905175 IT Business Intelligence Platform	1,100	854	246	210	37
905203 IT 2009 Transit Vehicle Info Sys	6,855	5,450	1,405	36	1,369
905503 2010 Train & Rail Lifecycle - O Train	3,029	2,755	274	236	38
905508 Bus Equipment Replacement-2011	2,563	1,383	1,180	76	1,104
905972 Bus Refurbishment & Modifications - 2011	19,555	16,751	2,804	851	1,953
905974 Facility Rationalization	3,895	3,385	510	211	299
905978 Para Bus Replacement	13,000	12,967	33	13	20
905979 Trillium Line Service Expansion	60,300	59,899	401	246	155
905980 Transit Brand Renewal	1,250	1,039	211	53	158
905982 Transit Fac -Renewal of Ops Assets-2011	7,639	7,626	13	33	-20
905983 Transit Network Capital Projects - 2011	1,350	1,050	300	11	289
906109 Scoping Pre/Post Trillium Line Structure	150	0	150	0	150
906247 Revenue Bus Replacement (Double Deckers)	73,400	70,544	2,856	2,874	-19
906432 Bus Equipment Replacement	2,000	368	1,632	150	1,482
906443 Buildings-Transit	4,300	3,597	703	77	625
906505 Transit Structures - Drainage	470	428	42	38	4
906513 Non-Revenue Vehicle Replacement - 2012	1,365	842	523	332	191
906521 Building Capacity Improvements	11,344	11,127	217	218	-1
906522 Transitway Yearly Rehab	5,425	5,311	114	0	113

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Capital Works-in-Progress (as of August 31, 2016)

In Thousands (\$000)

Project Description	Total Authority	Expenditures as at August 31, 2016	Unspent Cash Balance As at August 31, 2016	Total Contractual Obligations	Unspent/ Uncommitted Balance
906525 AVM upgrade to new Artic Fleet	1,500	1,031	469	1	468
906914 Transitway Structures - Site Specific	150	0	150	0	150
906915 Trillium Line Structures	1,000	264	736	172	564
906944 Environmental Improve - Reg. Compliance	1,600	106	1,494	197	1,297
906945 On-Street Transit Facility Improvements	790	318	472	11	461
906950 Transitway System Improvements-2013	1,100	487	613	50	563
906959 IT Video Wall Controller Life-Cycle	120	100	20	0	20
906960 New Regulatory Safety Requirements	1,825	1,080	745	682	63
906965 Miscellaneous Vehicle Replacement	1,285	1,255	30	0	30
906966 Para Transpo Engines & Transmissions	90	27	63	0	63
906967 Technical Training Equipment	75	0	75	58	17
906981 Buildings - Transit	4,610	3,984	626	26	600
906983 Scoping Pre/Post Tway Roads -	110	3	107	0	107
907001 Bus Replacement	11,000	10,988	12	17	-5
907278 Transitway Structures - Drainage	1,150	148	1,002	149	853
907290 Buildings-Transit	3,600	3,301	299	35	264
907295 Scoping Pre/Post - Twy Roads	110	33	77	6	71
907296 Transitway Roads	2,000	1,481	519	291	229
907297 Transitway Structures	3,725	1,673	2,052	824	1,228
907364 Renewal of Operational Assets	2,750	2,306	444	461	-17
907365 Bus Stops & Shelters	900	840	60	0	60
907367 Rapid Transit Syst Customer Improv	1,300	207	1,093	134	959
907368 Station Accessibility Improvements	450	360	90	6	84
907369 Transitway Yearly Rehab.	500	26	474	45	429
907370 IT Transit Infrastructure Lifecycle	1,500	619	881	0	881
907372 Rail Radio Integration	1,000	2	998	0	998

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Capital Works-in-Progress (as of August 31, 2016)

In Thousands (\$000)

Project Description	Total Authority	Expenditures as at August 31, 2016	Unspent Cash Balance As at August 31, 2016	Total Contractual Obligations	Unspent/ Uncommitted Balance
907375 Bus Refurbishment - 2014	4,650	4,603	47	10	37
907743 Buildings-Transit Services	3,600	2,181	1,419	437	983
907766 Transitway Roads	2,650	1,094	1,556	1,136	420
907768 Transitway Structures - Site Specific	300	10	290	0	290
907769 Transit Structures - Drainage	1,280	814	466	108	358
907770 Transitway Structures	950	583	367	27	340
907771 Scoping Pre/Post Trillium Line Struc	110	0	110	0	110
907819 Bus Stops & Shelters - 2015	815	192	623	406	217
907820 Rapid Transit System Customer Improvemen	2,570	0	2,570	0	2,570
907821 Renewal of Operational Assets - 2015	4,700	2,747	1,953	1,556	397
907822 Station Accessibility Improvements -2015	500	550	-50	17	-68
907823 Transit Priority Road & Signal Projects	2,828	22	2,806	209	2,597
907824 Transitway Yearly Rehab - 2015	1,100	643	457	0	457
907825 TSCC Renovation for confederation Line	1,700	427	1,273	1,250	24
907826 Unplanned Infrastructure Response - 2015	1,000	488	512	62	450
907830 IT Security Platform	3,296	523	2,773	158	2,615
907831 Trillium Line & Rail Lifecycle - 2015	3,250	539	2,711	1,495	1,216
907832 Bus Refurbishment - 2015	24,552	97	24,455	1,762	22,693
907833 Destination Sign Upgrade	900	382	518	0	518
907835 Vehicle Modifications	250	25	225	16	209
907836 Vehicle Replacement Non Rev - 2015	210	114	96	63	33
907881 2016 Buildings-Transit Services	3,600	550	3,050	933	2,117
908186 2016 Scoping Pre/Post Tway Roads	100	0	100	0	100
908187 2016 Transitway Roads	2,000	355	1,645	271	1,374
908188 2016 Scoping Pre/Post Tway Structures	100	0	100	76	24
908189 2016 Transitway Structures	3,935	27	3,908	45	3,863

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Capital Works-in-Progress (as of August 31, 2016)
In Thousands (\$000)

Project Description	Total Authority	Expenditures as at August 31, 2016	Unspent Cash Balance As at August 31, 2016	Total Contractual Obligations	Unspent/Uncommitted Balance
908190 2016 Transitway Struct.-Site Specific	300	0	300	0	300
908191 2016 Transit Structures - Drainage	400	0	400	163	237
908225 Bus Stops and Shelters - 2016	640	21	619	122	498
908226 Rapid Transit Syst Cust Improvemts -2016	1,250	0	1,250	0	1,250
908227 Renewal of Operational Assets - 2016	3,950	369	3,581	2,470	1,111
908228 Transit Priority Road & Signal Project	3,030	0	3,030	293	2,737
908229 Transitway Yearly Rehab - 2016	1,550	124	1,426	0	1,426
908230 Unplanned Infrastructure Response - 2016	250	0	250	3	247
908233 Trillium Line & Rail Lifecycle - 2016	1,800	92	1,708	51	1,657
908234 Bus Refurbishment - 2016	9,327	64	9,263	0	9,263
908235 Non Revenue Vehicle Replacement - 2016	800	66	734	140	593
908236 Vehicle Modifications - 2016	750	0	750	0	750
908363 St Laurent Blvd Transit & Intersect Impr	6,050	171	5,879	215	5,664
Renewal of City Assets Total	436,845	320,463	116,382	25,731	90,651
Growth					
904868 Transitway System Improvements	1,465	593	872	0	872
907373 Fare Control Syst Confed Line Stn	25,000	3,210	21,790	16,888	4,902
Growth Total	26,465	3,804	22,661	16,888	5,774
Strategic Initiative					
905204 IT 2009 Transit computer Systems	2,105	1,575	530	2	528
905893 IT Corporate Support Platform	1,364	1,276	88	25	63
905894 IT Operating & Control Centre Platform	2,556	1,356	1,200	828	372
906169 OLRT Transition	77,724	49,599	28,125	3,535	24,591
906433 IT Transit Customer Svce Platform	1,900	291	1,609	777	832

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Capital Works-in-Progress (as of August 31, 2016)
In Thousands (\$000)

Project Description	Total Authority	Expenditures as at August 31, 2016	Unspent Cash Balance As at August 31, 2016	Total Contractual Obligations	Unspent/Uncommitted Balance
906434 IT Security Platform	400	382	18	0	18
906497 Scoping Pre/Post - Tway Structures	100	82	18	0	18
906511 IT Operational & Control Centre Platform	1,588	174	1,414	1,285	130
906518 IT Corporate Support Platform	1,480	538	942	0	942
906519 IT Business Intelligence Platform	380	84	296	212	83
906520 IT Scheduling Platform	2,950	1,695	1,255	1,262	-7
906527 IT Maintenance Platform	2,516	1,509	1,007	0	1,007
906951 IT CAD AVL	2,000	479	1,521	1,515	7
906952 IT DriverMate MDT Solution-Taxi Services	225	87	138	139	-1
906953 IT New octranspo.com hosting	110	47	63	57	6
906957 IT Transit Zone - Business Continuity	1,200	97	1,103	57	1,046
907827 IT Business Intelligence	150	46	104	83	21
907828 IT Para Transpo Platform	990	214	776	186	590
907829 IT Scheduling Platform	1,200	209	991	755	236
908231 IT Operations & Control Centre Platform	300	0	300	0	300
908232 IT Scheduling Platform	385	342	43	55	-13
Strategic Initiative Total	101,623	60,082	41,541	10,771	30,770
Transportation Services					
Renewal of City Assets					
907767 Scoping Pre/Post Tway Structures	100	0	100	0	100
Renewal of City Assets Total	100	0	100	0	100
Grand Total	565,033	384,348	180,685	53,390	127,295