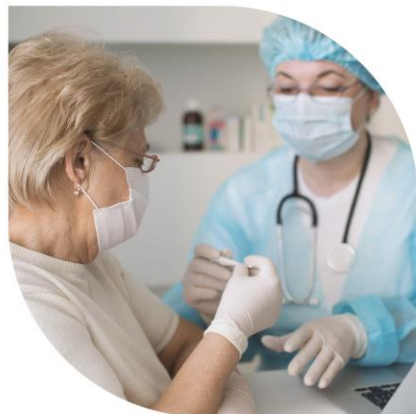




# Draft **BUDGET 2021**

Investing in our community.  
Moving Ottawa forward.

Transportation Committee



Tabled November 4, 2020



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## **Public Works & Environmental Services Department**

### **2021 Budget Service Area Summary - Technology, Innovation, and Engineering Support Services (TIESS)**

Technology, Innovation, and Engineering Support Services is responsible for providing innovative, technical, engineering and operational support services and expertise tailored to the operational lines of business and services provided by the Public Works and Environmental Services Department (PWESD).

#### **Programs/Services Offered:**

- Provides capital project management and support for water and wastewater facilities
- Issues recommendations for water and wastewater infrastructure related to preventive and predictive maintenance, lifecycle replacement, and asset reliability & efficiency
- Implements pipeline condition assessment programs on large diameter watermains, trunk sewers and forcemains
- Collaborates with Operations and Support Services to improve overall efficiency and effectiveness of maintenance and rehabilitation efforts required to protect and preserve the condition of our assets in PWESD
- Provides underground utility locates for Water and Sewer (mandated by Ontario One Call since June 2014)
- Implements and administers water and wastewater programs
- Provides maintenance planning support to Operational partners
- Provides operational clerical and administrative support
- Maintains core departmental data in enterprise maintenance management systems (SAP, Maximo, GIS)
- Develops, supports, and implements mobile strategies for Maximo and SAP Maintenance Management Solutions
- Implement Mobility projects –to assist operations clients to work more efficiently
- Develops, updates and reports on the Salt Management plan as required by the Ministry of the Environment, Conservation and Parks (MECP) and develops/provides training and internal reporting to support the plan
- Provides in field technical support of systems across the department
- Implements pilot projects that look at new or different equipment, materials or processes to identify efficiencies or improve results

City of Ottawa  
Public Works & Environmental Services Department  
GM's Office & Business Support Services - Operating Resource Requirement  
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
General Manager's Office	532	830	430	438	8
Business Technical Support Services	4,892	5,038	4,836	4,952	116
Technical Innovation & Engineering Support Services	6,581	6,046	6,143	6,279	136
<b>Gross Expenditure</b>	<b>12,005</b>	<b>11,914</b>	<b>11,409</b>	<b>11,669</b>	<b>260</b>
Recoveries & Allocations	-952	-283	-283	-283	0
Revenue	-61	-34	-34	-34	0
<b>Net Requirement</b>	<b>10,992</b>	<b>11,597</b>	<b>11,092</b>	<b>11,352</b>	<b>260</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	11,495	11,998	10,986	11,246	260
Overtime	144	50	50	50	0
Material & Services	351	422	261	261	0
Transfers/Grants/Financial Charges	-70	0	50	50	0
Fleet Costs	0	0	0	0	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	85	-556	62	62	0
<b>Gross Expenditures</b>	<b>12,005</b>	<b>11,914</b>	<b>11,409</b>	<b>11,669</b>	<b>260</b>
Recoveries & Allocations	-952	-283	-283	-283	0
<b>Net Expenditure</b>	<b>11,053</b>	<b>11,631</b>	<b>11,126</b>	<b>11,386</b>	<b>260</b>
<b>Revenues By Type</b>					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-61	-34	-34	-34	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-61</b>	<b>-34</b>	<b>-34</b>	<b>-34</b>	<b>0</b>
<b>Net Requirement</b>	<b>10,992</b>	<b>11,597</b>	<b>11,092</b>	<b>11,352</b>	<b>260</b>
<b>Full Time Equivalent</b>			<b>106.65</b>	<b>106.65</b>	<b>0.00</b>

## **Public Works & Environmental Services Department**

### **2021 Service Area Summary - Roads Services**

Roads Services provides safe and efficient maintenance of the City's road right of way and transportation system network on a 24/7 basis by maintaining approximately 6,000 km of roads, 2,400 km of sidewalks and pathways, 140 km of Transitway and Highway 174, and 17 Park and Rides. We are committed to the operational integrity of the road network for all road users through regular maintenance programs.

#### **Programs/Services Offered**

- Potholes and asphalt patching and concrete repairs
- Road patrol and inspection
- Accident clean-up (Hurdman 24/7 only)
- Annual spring street sweeping operations (including concentrated sweeping)
- Street furniture maintenance, decorative surface maintenance, fence and decorative wall maintenance
- Bridge flushing at 178 locations and Pretoria bridge operations and maintenance
- Park & Ride summer and winter maintenance
- Litter and debris pickup
- Guiderails and post & cable maintenance (2,527 locations)
- Rural road maintenance (gravel road grading, dust control, ditching, roadside grass cutting, rural mailbox replacement)
- Traffic induced vibration investigation and road surface repairs
- Snow and ice management on roads, winter maintained cycling network and select pedestrian overpasses
- Snow removal, haulage, and disposal (includes Transitway, and bus stations)
- Management of snow disposal facilities (7 facilities)
- Rideau River Flood Control program, and Winter flood and pooling water control
- Snow fences, snow boards, and snow markers
- Grit Box program

City of Ottawa  
Public Works & Environmental Services Department  
Roads Services - Operating Resource Requirement  
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
Roads Operations	151,320	130,506	128,635	131,450	2,815
<b>Gross Expenditure</b>	<b>151,320</b>	<b>130,506</b>	<b>128,635</b>	<b>131,450</b>	<b>2,815</b>
Recoveries & Allocations	-16,556	-11,094	-9,733	-9,733	0
Revenue	-3,043	-2,156	-1,146	-1,161	-15
<b>Net Requirement</b>	<b>131,721</b>	<b>117,256</b>	<b>117,756</b>	<b>120,556</b>	<b>2,800</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	45,109	46,391	46,650	47,855	1,205
Overtime	9,665	7,734	5,984	5,984	0
Material & Services	61,992	48,777	49,935	51,075	1,140
Transfers/Grants/Financial Charges	136	0	0	0	0
Fleet Costs	31,875	28,620	27,082	27,552	470
Program Facility Costs	0	0	0	0	0
Other Internal Costs	2,543	-1,016	-1,016	-1,016	0
<b>Gross Expenditures</b>	<b>151,320</b>	<b>130,506</b>	<b>128,635</b>	<b>131,450</b>	<b>2,815</b>
Recoveries & Allocations	-16,556	-11,094	-9,733	-9,733	0
<b>Net Expenditure</b>	<b>134,764</b>	<b>119,412</b>	<b>118,902</b>	<b>121,717</b>	<b>2,815</b>
<b>Revenues By Type</b>					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-3,043	-2,156	-1,146	-1,161	-15
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-3,043</b>	<b>-2,156</b>	<b>-1,146</b>	<b>-1,161</b>	<b>-15</b>
<b>Net Requirement</b>	<b>131,721</b>	<b>117,256</b>	<b>117,756</b>	<b>120,556</b>	<b>2,800</b>
<b>Full Time Equivalents</b>			<b>504.51</b>	<b>504.51</b>	<b>0.00</b>



**City of Ottawa**  
**Public Works & Environmental Services Department**  
**Roads Services - User Fees**

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Storage fee per shopping cart (includes removal of cart from highway and City property, impounding and storage, administration and management of notices and retrievals and enforcement). *	54.00	55.00	56.00	1.8%	3.7%	1-Apr-21	
Administration and Overhead charge will be applied to the overall cost recovery for any works or accident recoveries undertaken by Roads on behalf of the Federal government and any agencies, Provincial government and any agencies, Hydro Ottawa, school boards, universities/colleges, municipalities, general persons/parties and developers. *	15%	15%	15%	0.0%	0.0%	1-Apr-21	
<b>Snow Disposal Facility (SDF) Fees</b>							-15
Single axle dump truck (9m <sup>3</sup> ) ticket price to dump snow in City snow disposal facility. <sup>1</sup>	29.80	34.25	39.40	15.0%	32.2%	1-Sep-21	
Tandem axle dump truck (15m <sup>3</sup> ) ticket price to dump snow in City snow disposal facility. <sup>1</sup>	49.65	57.10	65.65	15.0%	32.2%	1-Sep-21	
Tri-Axle axle dump truck (18m <sup>3</sup> ) ticket price to dump snow in City snow disposal facility. <sup>1</sup>	59.50	68.40	78.65	15.0%	32.2%	1-Sep-21	
Combo dump truck (20m <sup>3</sup> ) ticket price to dump snow in City snow disposal facility. <sup>1</sup>	105.80	121.65	139.90	15.0%	32.2%	1-Sep-21	
Semi dump truck (64.36m <sup>3</sup> ) ticket price to dump snow in City snow disposal facility. <sup>1</sup>	135.70	156.00	179.40	15.0%	32.2%	1-Sep-21	
<b>Total Departmental</b>							<b>-15</b>

\* HST applicable.

<sup>1</sup> Must be on approved list to purchase.

## **Public Works & Environmental Services Department**

### **2021 Service Area Summary – Parking Services**

Parking Services manages and maintains the City's paid on and off-street parking. Parking Services provides and maintains secure, accessible, convenient and appealing public parking that supports local businesses, institutions and tourism. This is done in alignment with the Municipal Parking Management Strategy, which contains rate-setting guidelines and a funding model that mandates that all parking fee revenues be used to fund the Municipal Parking Management Program and other directly related costs. As of December 31, 2019, the branch manages 3,862 paid on-street parking spaces, 2,776 off-street spaces in six parking structures and 11 surface parking lots, and 2,910 ring and post bicycle parking spaces. Per the Municipal Parking Management Strategy, the service area also encourages and actively promotes the use of sustainable modes of transportation.

#### **Programs/Services Offered**

- Local Area Parking Studies / Assessments
- City-managed parking lots
- Enclosed lots or multi-story parking structures
- Unenclosed surface lots
- On-street paid parking spaces
- Tour bus parking
- Ring and post bicycle parking spaces
- Seasonal beach parking (Petrie Island and Mooney's Bay beaches)
- Contractor management (PayByPhone, Precise ParkLink, etc.)

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - Operating Resource Requirement  
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
Parking Operations Maintenance & Development	985	872	1,182	1,374	192
On & Off Street Operations	19,287	10,789	15,884	15,781	-103
<b>Gross Expenditure</b>	<b>20,272</b>	<b>11,661</b>	<b>17,066</b>	<b>17,155</b>	<b>89</b>
Recoveries & Allocations	-313	-203	-203	-203	0
Revenue	-19,959	-11,447	-16,852	-16,952	-100
<b>Net Requirement</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>-11</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	1,585	1,702	1,612	1,852	240
Overtime	38	42	42	42	0
Material & Services	3,610	4,702	5,133	5,333	200
Transfers/Grants/Financial Charges	7,749	-1,560	3,287	2,903	-384
Fleet Costs	49	41	41	41	0
Program Facility Costs	0	751	751	784	33
Other Internal Costs	7,241	5,983	6,200	6,200	0
<b>Gross Expenditures</b>	<b>20,272</b>	<b>11,661</b>	<b>17,066</b>	<b>17,155</b>	<b>89</b>
Recoveries & Allocations	-313	-203	-203	-203	0
<b>Net Expenditure</b>	<b>19,959</b>	<b>11,458</b>	<b>16,863</b>	<b>16,952</b>	<b>89</b>
<b>Revenues By Type</b>					
Federal	-30	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-19,929	-11,447	-16,852	-16,952	-100
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-19,959</b>	<b>-11,447</b>	<b>-16,852</b>	<b>-16,952</b>	<b>-100</b>
<b>Net Requirement</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>-11</b>
<b>Full Time Equivalents</b>			<b>15.00</b>	<b>15.00</b>	<b>0.00</b>

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>On-Street Parking Rates</b> Authority to vary the on-street parking rates and hours of parking by location to reflect parking demand and utilization provided that the variation of rates is within the range approved by Council as part of the annual operating budget and the changes are consistent with the Municipal Parking Management Strategy.							
Maximum on-street rate per hour <sup>1</sup>	3.00	4.00	4.00	0.0%	33.3%	1-Jan-2021	
Maximum on-street rate per hour - motorcycle rate <sup>1</sup>	1.50	2.00	2.00	0.0%	33.3%	1-Jan-2021	
Maximum on-street rate per hour - Tour Bus rate <sup>1</sup>	6.00	8.00	8.00	0.0%	33.3%	1-Jan-2021	
<b>On-Street Parking Permits</b>							
Residential parking permit annual <sup>2*</sup>	673.00	686.00	700.00	2.0%	4.0%	1-Jan-2021	
Residential parking permit monthly - Summer (Apr - Nov) *	31.50	32.00	32.50	1.6%	3.2%	1-Jan-2021	
Residential parking permit monthly - Winter (Dec - Mar) *	146.00	149.00	152.00	2.0%	4.1%	1-Jan-2021	
Residential parking permit - minimum processing fee retained on refunds *	31.50	32.00	32.50	1.6%	3.2%	1-Jan-2021	
Residential Visitor Parking (no refunds) per week or less - Summer (Apr - Nov) *	8.00	8.00	8.25	3.1%	3.1%	1-Jan-2021	
Residential Visitor Parking (no refunds) per week or less - Winter (Dec - Mar) *	36.50	37.25	38.00	2.0%	4.1%	1-Jan-2021	

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>On-Street Parking Rates continued</b>							
Residential Visitor Parking (no refunds) up to 2 weeks - Summer (Apr - Nov) *	15.75	16.00	16.25	1.6%	3.2%	1-Jan-2021	
Residential Visitor Parking (no refunds) up to 2 weeks - Winter (Dec - Mar) *	73.00	74.50	76.00	2.0%	4.1%	1-Jan-2021	
Guest Parking per annum *	26.50	27.00	27.50	1.9%	3.8%	1-Jan-2021	
Day Care Permit Parking per annum *	273.25	279.00	285.00	2.2%	4.3%	1-Jan-2021	
Temporary Consideration Parking Permit per month - Summer (Apr - Nov) *	31.50	32.00	32.75	2.3%	4.0%	1-Jan-2021	
Temporary Consideration Parking Permit per month - Winter (Dec - Mar) *	146.00	149.00	152.00	2.0%	4.1%	1-Jan-2021	
Temporary Consideration Parking Permit (no refunds) per week or less - Summer (Apr - Nov) *	8.00	8.00	8.25	3.1%	3.1%	1-Jan-2021	
Temporary Consideration Parking Permit (no refunds) per week or less - Winter (Dec - Mar) *	36.50	37.25	38.00	2.0%	4.1%	1-Jan-2021	
Special Events Parking Permit per event per area *	26.50	27.00	27.50	1.9%	3.8%	1-Jan-2021	
Business Identity Card per vehicle (no refunds) *	124.50	127.00	130.00	2.4%	4.4%	1-Jan-2021	
Replacement permit (all except Musician and Artist Loading Permit) *	11.00	11.25	11.50	2.2%	4.5%	1-Jan-2021	
Musician and Artist Loading Permit*	50.00	51.00	52.00	2.0%	4.0%	1-Jan-2021	
Replacement permit - Musician and Artist Loading Permit*	10.00	10.25	10.50	2.4%	5.0%	1-Jan-2021	
Tour Bus Parking Permit <sup>1</sup>	30.00	30.00	30.00	0.0%	0.0%	1-Jan-2021	

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<p><b>Off-Street Parking Rates</b></p> <p>Authority to adjust the parking rates in City-owned parking facilities at any time throughout the year to reflect seasonal and market adjustment provided that the rate does not exceed the upper limit as approved by Council in the annual operating budget.</p> <p>Authority to vary the parking rates in City-owned parking facilities from those for a standard vehicle for alternative modes of transportation such as motorcycles, scooters and auto-share vehicles provided that the variation in rates is consistent with the Municipal Parking Management Strategy and is within the range approved by Council as part of the annual operating budget.</p> <p>Lots 23 and 30 (Mooney's Bay &amp; Petrie Island), parking rates and hours of operation are established by the Recreation, Cultural &amp; Facility Services Department.</p>							
Maximum <b>hourly</b> off-street rate - all lots (in increments of no greater than 30 minutes) <sup>1</sup>	6.00	6.00	6.00	0.0%	0.0%	1-Jan-2021	
Maximum <b>daily</b> off-street rate - all lots <sup>1</sup>	24.00	24.00	24.00	0.0%	0.0%	1-Jan-2021	
Maximum <b>monthly</b> off-street rate - all lots except lots 23 & 30 <sup>1</sup>	245.00	245.00	245.00	0.0%	0.0%	1-Jan-2021	
Maximum <b>seasonal</b> off-street rate - lot 23 <sup>1</sup>	60.00	60.00	60.00	0.0%	0.0%	1-Jan-2021	
Maximum <b>seasonal</b> off-street rate - lot 30 <sup>1</sup>	40.00	40.00	40.00	0.0%	0.0%	1-Jan-2021	
Maximum lost ticket charge - all lots <sup>1</sup>	30.00	30.00	30.00	0.0%	0.0%	1-Jan-2021	
Maximum replacement fee for access card or hang tag (all lots) <sup>1</sup>	26.00	26.50	27.00	1.9%	3.8%	1-Jan-2021	

City of Ottawa  
 Public Works & Environmental Services Department  
 Parking Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>Off-Street Lots <sup>1</sup></b> The maximum off-street rates listed above apply to the following parking lots:							
Lot 3 - 210 Gloucester Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 4 - 70 Clarence Street (ByWard Market parking garage)	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 5 - 141 Clarence Street (Dalhousie parking garage)	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 6 - 110 Laurier Avenue W. (City Hall parking garage)	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 8 - 170 Second Avenue (Glebe parking garage)	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 9 - 234-250 Slater	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 10 - 574 Bank Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 11 - 687 Somerset Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 12 - 760 Somerset Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 13 - Parkdale Market	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 14 - 301 Preston Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>Off-Street Lots continued</b>							
Lot 18 - 422 Slater Street	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 20 - 400 River Road	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 22 - 200 Montreal Road	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 23 - 3000 Riverside Drive (Mooney's Bay) managed on behalf of Parks & Recreation	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
Lot 30 - 795 Trim Road (Petrie Island) managed on behalf of Parks & Recreation	see above max rate	see above max rate	see above max rate	N/A	N/A	1-Jan-2021	
<b>Administration and Overhead Charges *</b> Administration and overhead charge will be applied to the overall cost recovery for any works or accident recoveries undertaken by Parking Services on behalf of Federal Gov't and any agencies, provincial government and any agencies, Hydro Ottawa, school boards, universities/colleges, municipalities, general persons/parties and developers. *	15%	15%	15%	0.0%	0.0%	1-Jan-2021	
<b>Total Departmental</b>							<b>-100</b>

\* HST applicable.

<sup>1</sup> HST included.

<sup>2</sup> Residential parking permit annual - Refund is annual fee less monthly fee (winter and/or summer) for months used less minimum processing fee.



## **Transportation Services Department**

### **2021 Service Area Summary - Traffic Services**

The Transportation Services Department brings together all services related to the mobility of the City, integrating 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 train, bus, car, bicycle, walking or a combination of these – both now and in years to come.

The role of Traffic Services is to manage the City's transportation network in a way that ensures an integrated, safe and efficient movement of people and goods within the city.

#### **Programs/Services Offered**

- Manage and monitor traffic flow across the nation's capital
- Operate, install and maintain all City traffic control devices including signs, pavement markings, traffic signals and Pedestrian Crossovers (PXO)
- Manage the city's right-of-way streetlight inventory while maintaining their operation
- Provide traffic engineering and street lighting expertise to internal and external stakeholders
- Provide traffic management expertise and assess traffic management plans for construction projects
- Inspect road cuts and encroachments
- Provide expertise and permit approval for special events impacting the right-of-way
- Perform traffic investigations and counts
- Code and analyze collisions
- Explore and implement measures, including various technologies, to enhance the safety of all users of the road network, via programs including but not limited to the Safety Improvement Program, Pedestrian Safety Evaluation Program, Cycling Safety Improvement Program and the Temporary Traffic Calming Measures Program
- Coordinate and deliver the 2020 to 2024 Road Safety Action Plan

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

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
Traffic Services	59,637	57,652	60,202	67,007	6,805
<b>Gross Expenditure</b>	<b>59,637</b>	<b>57,652</b>	<b>60,202</b>	<b>67,007</b>	<b>6,805</b>
Recoveries & Allocations	-6,859	-5,639	-5,639	-5,639	0
Revenue	-3,061	-1,932	-1,932	-1,952	-20
<b>Net Requirement</b>	<b>49,717</b>	<b>50,081</b>	<b>52,631</b>	<b>59,416</b>	<b>6,785</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	26,318	27,353	27,853	29,162	1,309
Overtime	1,408	825	825	841	16
Material & Services	27,845	25,657	27,706	29,151	1,445
Transfers/Grants/Financial Charges	13	0	0	4,000	4,000
Fleet Costs	2,861	2,913	2,913	2,948	35
Program Facility Costs	0	0	1	1	0
Other Internal Costs	1,192	904	904	904	0
<b>Gross Expenditures</b>	<b>59,637</b>	<b>57,652</b>	<b>60,202</b>	<b>67,007</b>	<b>6,805</b>
Recoveries & Allocations	-6,859	-5,639	-5,639	-5,639	0
<b>Net Expenditure</b>	<b>52,778</b>	<b>52,013</b>	<b>54,563</b>	<b>61,368</b>	<b>6,805</b>
<b>Revenues By Type</b>					
Federal	-41	-20	-20	-20	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-3,020	-1,912	-1,912	-1,932	-20
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-3,061</b>	<b>-1,932</b>	<b>-1,932</b>	<b>-1,952</b>	<b>-20</b>
<b>Net Requirement</b>	<b>49,717</b>	<b>50,081</b>	<b>52,631</b>	<b>59,416</b>	<b>6,785</b>
<b>Full Time Equivalent</b>			<b>274.37</b>	<b>274.37</b>	<b>0.00</b>

City of Ottawa  
 Transportation Services Department  
 Traffic Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Traffic Data Information Fee – file copies	110.00	112.20	114.44	2.0%	4.0%	1-Jan-21	
<b>Variable Message Board</b>							
Per sign per day equipment rental charge	102.00	104.04	106.12	2.0%	4.0%	1-Jan-21	
Set up/takedown fee (actual hourly cost of staff time)	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	
<b>ATR - Numetric Plate Data Collection</b>							
Per plate per hour equipment rental charge	0.51	0.52	0.53	2.0%	4.0%	1-Jan-21	
Equipment maintenance fee – per plate	5.61	5.72	5.84	2.0%	4.0%	1-Jan-21	
Set up/takedown fee (actual hourly cost of staff time)	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	
<b>ATR – Pneumatic Tube Data collection</b>							
Equipment maintenance fee per hour per unit deployed	N/A	5.44	5.55	2.0%	N/A	1-Jan-21	
Set up/takedown fee (actual hourly cost of staff time)	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	
<b>Miovison Data Collection</b>							
Device rental charge per hour per camera	6.12	10.75	10.97	2.0%	79.2%	1-Jan-21	
Processing charges – intersection, small roundabout count, large roundabout count, midblock volume (vehicles only), pathway volume	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	
Set up/takedown fee (actual hourly cost of staff time)	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	

City of Ottawa  
Transportation Services Department  
Traffic Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>Collision Data Request</b>							
Detail collision summary report 1 to 5 locations	110.00	112.20	114.44	2.0%	4.0%	1-Jan-21	
Detail collision summary report >5 location	110.00 + hourly staff time	112.00 + hourly staff time	114.24 + hourly staff time	N/A	N/A	1-Jan-21	
Custom collision data (non-detailed summary data)	110.00 + hourly staff time	112.00 + hourly staff time	114.24 + hourly staff time	N/A	N/A	1-Jan-21	
<b>ATR - Side Fire Radar</b>							
Device Rental charge per hour per unit	N/A	3.34	3.41	2.0%	N/A	1-Jan-21	
Set up/takedown fee (actual hourly cost of staff time)	actual cost	actual cost	actual cost	N/A	N/A	1-Jan-21	
Signal Timing Requests fee per signalized intersection	51.00	52.02	53.06	2.0%	4.0%	1-Jan-21	
Signal drawing file copies fee per intersection	25.50	26.01	26.53	2.0%	4.0%	1-Jan-21	
Traffic Signal Display Chart	200.00	200.00	204.00	2.0%	2.0%	1-Jan-21	
Pre-Development Traffic Control Devices and Street Lighting Review fee	4,000.00	actual cost	actual cost	N/A	N/A	1-Jan-21	
GPRS Communication Fee monthly charge per signalized intersection.	17.34	17.69	18.04	2.0%	4.0%	1-Jan-21	
Bell Communication Fee monthly charge per signalized intersection. Fee structure changing to a flat fee in 2016	182.58	186.23	189.96	2.0%	4.0%	1-Jan-21	
City Owned Cable Communication Fee monthly charge per signalized intersection	127.50	130.05	132.65	2.0%	4.0%	1-Jan-21	
Special Event Regulatory Curbside Signage (No Stopping and Tow Away Zone Signs)	\$75 per block	\$75 per block	\$76.50 per block	2.0%	2.0%	1-Jan-21	

City of Ottawa  
 Transportation Services Department  
 Traffic Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Fees for late Film Permit Applications requiring road/lane closures or dedicated parking removal	N/A	N/A	200.00	N/A	N/A	1-Jan-21	
Administration and Overhead charge will be applied to the overall cost recovery for any works or accident recoveries undertaken by Traffic Operations and Maintenance on behalf of Federal Gov't and any agencies, provincial government and any agencies, Hydro Ottawa, school boards, universities/colleges, municipalities, general persons/parties and developers.	15%	15%	15%	0.0%	0.0%	1-Jan-21	
<b>Total Departmental</b>							<b>-20</b>

## **Transportation Services Department**

### **2021 Service Area Summary- Transportation Planning**

The Transportation Services Department brings together all services related to the mobility of the City, integrating 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 train, bus, car, bicycle, electric scooter, walking or a combination of these – both now and in years to come.

The role of Transportation Planning is to provide strategic planning to address the City's transportation growth needs in a sustainable and affordable manner.

#### **Programs/Services Offered**

- Collects data and undertakes transportation modeling and forecasting to assess infrastructure requirements
- Develops and monitors transportation policies (e.g. modal share targets)
- Plans and coordinates the implementation of new pedestrian and cycling facilities and functional planning for transit (bus, rail) and roads
- Plans and delivers the Transportation Demand Management Program including supporting new micro-mobility services
- Develops, monitors and updates strategic transportation plans (e.g. Transportation Master Plan, Ottawa Cycling Plan, Ottawa Pedestrian Plan)
- Undertakes environmental assessments and consultation for major transportation infrastructure projects including new arterial roads and roadway widenings and new transit infrastructure for rail and bus service
- Plans and coordinates the implementation of permanent traffic calming measures for neighbourhood streets
- Manages road modifications associated with private development applications
- Manages road, intersection and sidewalk modifications funded by developmental charges
- Undertakes functional planning and designing for road renewal and resurfacing projects

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

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
Transportation Planning	4,736	4,953	4,931	5,319	388
<b>Gross Expenditure</b>	<b>4,736</b>	<b>4,953</b>	<b>4,931</b>	<b>5,319</b>	<b>388</b>
Recoveries & Allocations	-476	-517	-495	-773	-278
Revenue	-55	-55	-55	-55	0
<b>Net Requirement</b>	<b>4,205</b>	<b>4,381</b>	<b>4,381</b>	<b>4,491</b>	<b>110</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	4,596	4,877	4,764	5,152	388
Overtime	60	14	34	34	0
Material & Services	56	37	108	108	0
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	0	0	0	0	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	24	25	25	25	0
<b>Gross Expenditures</b>	<b>4,736</b>	<b>4,953</b>	<b>4,931</b>	<b>5,319</b>	<b>388</b>
Recoveries & Allocations	-476	-517	-495	-773	-278
<b>Net Expenditure</b>	<b>4,260</b>	<b>4,436</b>	<b>4,436</b>	<b>4,546</b>	<b>110</b>
<b>Revenues By Type</b>					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	-11	-11	-11	-11	0
Fees and Services	-44	-44	-44	-44	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-55</b>	<b>-55</b>	<b>-55</b>	<b>-55</b>	<b>0</b>
<b>Net Requirement</b>	<b>4,205</b>	<b>4,381</b>	<b>4,381</b>	<b>4,491</b>	<b>110</b>
<b>Full Time Equivalents</b>			<b>36.00</b>	<b>36.00</b>	<b>0.00</b>

## **Innovative Client Services Department**

### **2021 Service Area Summary - Fleet Services**

Procures, maintains, administers, repairs and replaces the City's diverse fleet of 4,500 vehicles and equipment in support of all city programs (except transit) including roads, parks, facilities, waste collection, drinking water, wastewater, police (maintenance only), forestry, paramedic, fire services, and others. General Stores and Automotive Stores are also part of Fleet Services.

#### **Programs/Services Offered**

- Fleet planning, procurement, licencing and leasing to meet the City's needs effectively and efficiently
- Exploring and implementing Green Fleet Strategies to reduce greenhouse gas emissions
- Deliver user-specific vehicle and equipment operator assessments and training
- Maintain a Driver Certification Program in order to undertake vehicle and equipment licence renewals and upgrades
- Fleet maintenance and repair at nine (9) locations as well as through private vendors
- Provision of fuel for vehicles and equipment at twenty-one (21) automated fuel sites, and ten (10) small leased tank locations
- Fleet Safety services including advisory preparation/distribution, collision investigations, and authority to operate reviews/implementation for all municipal and OC Transpo units
- Responsible for the City's Commercial Vehicle Operators Registration (CVOR) for all municipal and OC Transpo units
- Rental of vehicles and equipment to address short-term needs
- Operation of four (4) general stores and five (5) automotive stores warehouses procuring material to support all municipal operating departments



City of Ottawa  
 Innovative Client Services Department  
 Fleet Services - Operating Resource Requirement  
 In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
<b>Expenditures by Program</b>					
Fleet Sr. Manager	509	9,091	271	277	6
Maintenance and Technical Services	66,117	64,429	60,270	61,674	1,404
Safety and Training	3,478	3,117	3,338	3,402	64
Supply Chain and Operational Support Training	15,604	14,452	16,568	16,369	-199
Fleet & General Stores	3,633	3,709	3,709	3,794	85
<b>Gross Expenditure</b>	<b>89,341</b>	<b>94,798</b>	<b>84,156</b>	<b>85,516</b>	<b>1,360</b>
Recoveries & Allocations	-84,982	-90,290	-79,898	-81,173	-1,275
Revenue	-726	-799	-549	-549	0
<b>Net Requirement</b>	<b>3,633</b>	<b>3,709</b>	<b>3,709</b>	<b>3,794</b>	<b>85</b>
<b>Expenditures by Type</b>					
Salaries, Wages & Benefits	21,405	21,408	20,055	20,510	455
Overtime	1,177	893	712	727	15
Material & Services	44,968	49,229	40,161	40,601	440
Transfers/Grants/Financial Charges	20,623	22,371	22,371	22,821	450
Fleet Costs	1,125	1,140	786	786	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	43	-243	71	71	0
<b>Gross Expenditures</b>	<b>89,341</b>	<b>94,798</b>	<b>84,156</b>	<b>85,516</b>	<b>1,360</b>
Recoveries & Allocations	-84,982	-90,290	-79,898	-81,173	-1,275
<b>Net Expenditure</b>	<b>4,359</b>	<b>4,508</b>	<b>4,258</b>	<b>4,343</b>	<b>85</b>
<b>Revenues By Type</b>					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-726	-799	-549	-549	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
<b>Total Revenue</b>	<b>-726</b>	<b>-799</b>	<b>-549</b>	<b>-549</b>	<b>0</b>
<b>Net Requirement</b>	<b>3,633</b>	<b>3,709</b>	<b>3,709</b>	<b>3,794</b>	<b>85</b>
<b>Full Time Equivalents</b>			<b>194.00</b>	<b>194.00</b>	<b>0.00</b>

City of Ottawa  
 Innovative Client Services Department  
 Fleet Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
<b>Administration and Overhead charge will be applied to the overall cost recovery for any works undertaken by Fleet on behalf of a client for fleet maintenance</b>							
Fuel	2%	2%	2%	0.0%	0.0%	01-Jan-21	
Parts	22%	22%	22%	0.0%	0.0%	01-Jan-21	
Labour and commercial repairs	15%	15%	15%	0.0%	0.0%	01-Jan-21	
<b>Total Departmental</b>							<b>0</b>

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**In Thousands \$(000's)**

Project Description	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
<b>Fleet Services</b>								
<b>Renewal of City Assets</b>								
910002 Mun. Fleet UpFits, Facil. & Tools 2021	-	280	-	-	-	-	-	280
910014 Lifecycle Renewal Fleet - 2021	-	23,215	-	-	-	-	-	23,215
<b>Renewal of City Assets Total</b>	<b>-</b>	<b>23,495</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23,495</b>
<b>Fleet Services Total</b>	<b>-</b>	<b>23,495</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23,495</b>
<b>Integrated Roads, Water &amp; Wastewater</b>								
<b>Renewal of City Assets</b>								
906735 Bank St (Riverside-Ledbury)	-	933	-	-	3,667	-	1,000	5,600
906900 Main Greenfield Echo Concord et al	-	1,177	-	-	3,965	-	-	5,142
906901 CWWF ORAP - Loretta Ave N&S - Laurel St	-	880	-	-	1,586	6,000	-	8,466
908138 CWWF Avenue N-O-P-Q-R-S-T-U	-	1,722	-	-	7,769	-	-	9,491
908139 Montreal Rd (N River Rd-St Laurent Blvd)	-	-	-	-	2,196	-	6,031	8,227
908141 ORAP Albert St-Bronson Ave-Slater St	-	-	-	-	3,430	-	2,570	6,000
908570 Byron-Athlone-Highcroft	-	-	-	-	3,777	4,700	5,903	14,380
908572 Fairbairn-Bellwood-Willard-Belmont	-	390	-	-	949	-	-	1,339
908580 CWWF Queensway Terrace North Sewer	-	101	-	-	2,936	-	-	3,037
908581 Valley Dr Storm Sewer	-	156	-	-	3,729	-	-	3,885
908998 LRT2 R2 Hwy 174 Resurfacing EBL	-	12	-	-	36	-	675	723
909394 Arch - Canterbury - Plesser	-	84	-	-	7,693	-	3,000	10,777
909400 Bel-Air Dr, Bedbrooke St et al	-	338	-	-	5,441	5,000	2,000	12,779
909401 Broadview Ave	-	221	-	-	706	-	-	927
910045 2021 Surveys & Mapping	-	80	-	-	240	-	-	320
910088 2021 Infrastructure Assess & Data Collec	-	85	-	-	255	-	-	340
910089 2021 Integrated Scoping Pre/Post Eng	-	150	-	-	850	-	-	1,000
910090 2021 Road Resurfacing - CW	-	35,890	-	-	1,000	-	-	36,890
910091 2021 Comprehensive Asset Management	-	90	-	-	270	-	-	360
910092 Breezehill Ave N (Gladstone - Somerset)	-	235	-	-	937	-	-	1,172
910105 Drouin Ave (North River - West Presland)	-	137	-	-	547	-	-	684
910106 James St Kent St (Bronson - Bank)	-	856	-	-	1,589	-	-	2,445
910107 Arnhem St and Apeldoorn Ave	-	317	-	-	1,271	-	-	1,588
910108 Clare Dovercourt (Chruchill - Hilson & T	-	436	-	-	1,744	-	-	2,180
910109 Ferndale Ave (Churchill Ave N - Selby Av	-	146	-	-	585	-	-	731
910110 Farnham, Eastbourne and Ava	-	323	-	-	1,292	-	-	1,615
910111 Glebe (Bank - O'Connor)	-	150	-	-	601	-	-	751
910112 Oakhill and Corona (Acaia - Beechwood)	-	147	-	-	585	-	-	732

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Project Description	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
910113 Summit Ave (Alta Vista - Fairbanks)	-	254	-	-	1,018	-	-	1,272
<b>Renewal of City Assets Total</b>	-	<b>45,310</b>	-	-	<b>60,664</b>	<b>15,700</b>	<b>21,179</b>	<b>142,853</b>
<b>Integrated Roads, Water &amp; Wastewater Total</b>	-	<b>45,310</b>	-	-	<b>60,664</b>	<b>15,700</b>	<b>21,179</b>	<b>142,853</b>
<b>Transit Services</b>								
<b>Renewal of City Assets</b>								
910179 2021 TMP Studies	-	760	-	-	-	-	-	760
<b>Renewal of City Assets Total</b>	-	<b>760</b>	-	-	-	-	-	<b>760</b>
<b>Growth</b>								
907436 Baseline Rd BRT (Baseline Stn-Heron Stn)	-	792	1,608	-	-	-	-	2,400
910181 2021 TMP Transit Priority Network	-	4,560	15,075	-	-	-	2,865	22,500
910182 2021 Park and Ride Facilities	-	571	1,159	-	-	-	-	1,730
910183 2021 Transit Corridor Protection	-	607	1,233	-	-	-	-	1,840
910184 2021 Rapid Transit EA Studies	-	358	722	-	-	-	-	1,080
<b>Growth Total</b>	-	<b>6,888</b>	<b>19,797</b>	-	-	-	<b>2,865</b>	<b>29,550</b>
<b>Transit Services Total</b>	-	<b>7,648</b>	<b>19,797</b>	-	-	-	<b>2,865</b>	<b>30,310</b>
<b>Transportation Services</b>								
<b>Renewal of City Assets</b>								
908583 Bank St Sawmill Crk [057470]	-	485	-	-	-	-	-	485
908589 Belfast Rd O/P VIA [055980]	-	-	-	-	-	-	2,310	2,310
909438 2019 Bridge Structures - CW	-	300	-	-	-	-	300	600
909706 2020 Bridges Structures - CW	-	6,200	-	-	-	-	6,105	12,305
910003 2021 LCR Traffic Control Signals	-	1,688	-	-	-	-	-	1,688
910004 2021 LCR Traffic Monitoring System	-	415	-	-	-	-	-	415
910013 2021 Street Lighting Major Replacements	-	2,328	-	-	-	-	-	2,328
910016 Roads Equipment Replacement (2021)	-	195	-	-	-	-	-	195
910017 Ice-Snow Control and RWIS Tech (2021)	-	300	-	-	-	-	-	300
910018 2021 LCR - PWES Works Yard	-	320	-	-	-	-	-	320
910043 2021 Buildings-Road Services	-	3,375	-	-	-	-	-	3,375
910046 2021 Public Realm Intervention	-	750	-	-	-	-	-	750
910095 2021 Preservation - CW	-	4,837	-	-	-	-	-	4,837
910096 2021 Preservation - Other	-	200	-	-	-	-	-	200
910097 2021 Roadway Network Engineering	-	1,000	-	-	-	-	-	1,000
910098 2021 Structures - Site-Specific	-	1,000	-	-	-	-	-	1,000

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Project Description	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
910099 2021 Misc Structural Renewal - CW	-	340	-	-	-	-	-	340
910100 2021 Structures Scoping Pre/Post Eng	-	500	-	-	-	-	-	500
910101 2021 Bridge Structures - CW	-	95	-	-	-	-	8,000	8,095
910103 2021 Sidewalks & Pathways - CW	-	500	-	-	-	-	8,200	8,700
910104 2021 Sidewalks & Pathways - Other	-	200	-	-	-	-	-	200
910162 2021 Pedestrian Access-Intersect & Ramp.	-	231	-	-	-	-	-	231
910163 2021 Active Transportation Missing Links	-	1,276	-	-	-	-	-	1,276
910164 2021 TMIP Richmond Rd/Westboro	-	476	-	-	-	-	-	476
910213 Lifecycle Renewal - Parking Facilities (	-	1,275	-	-	-	-	-	1,275
910214 On-Street Facility Modification (2021)	-	300	-	-	-	-	-	300
910220 Lifecycle Renewal - Parking Facility Imp	-	200	-	-	-	-	-	200
<b>Renewal of City Assets Total</b>	-	<b>28,786</b>	-	-	-	-	<b>24,915</b>	<b>53,701</b>

Growth								
903159 Airport Parkway (Brookfield - Hunt Club)	-	-	6,862	-	-	-	502	7,364
903163 Bank Street (Leitrim to Dun Skipper)	-	-	17,955	-	-	-	945	18,900
904995 Earl Grey/Centrum Underpass	-	42	802	-	-	-	-	844
905479 Huntley Yard Winter Mat Stor Fac-Rep&Exp	-	442	2,504	-	-	-	-	2,946
907405 Strandherd Dr Ph2(Maravista to Jockvale)	-	-	-	9,185	-	-	482	9,667
909023 Works Yard Facilities- New Growth Svce	-	-	4,122	-	-	-	728	4,850
910010 2021 New Traffic Control Devices	-	493	1,972	-	-	-	-	2,465
910011 2021 Safety Improvement Program	-	517	517	-	-	-	-	1,033
910012 2021 Traffic Incident Management	-	82	329	-	-	-	-	411
910019 2021 Winter Materials Storage Facility	-	86	489	-	-	-	-	575
910020 2021 Advanced Traffic management Program	-	82	329	-	-	-	-	411
910021 2021 Traffic & Pedestrian Safety Enhance	-	806	-	-	-	-	-	806
910170 2021 Cycling & Pedestrian Major Structur	-	465	1,105	-	-	-	1,000	2,570
910171 2021 Pedestrian Facilities Program	-	2,111	703	-	-	-	-	2,814
910172 2021 Cycling Facilities Program	-	2,562	2,461	-	-	-	-	5,023
910174 2021 Transportation Demand Management	-	174	174	-	-	-	-	348
910175 2021 Neighbourhood Traffic Calming	-	1,719	327	-	-	-	-	2,046
910176 2021 Intersection Control Measures	-	-	12,000	-	-	-	-	12,000
910177 2021 Development Sidewalks	-	9	162	-	-	-	-	171
910178 2021 Network Modification Program	-	629	3,071	-	-	-	-	3,700
910221 Parking Studies - DC (2021)	-	275	70	-	-	-	-	345
<b>Growth Total</b>	-	<b>10,493</b>	<b>55,954</b>	<b>9,185</b>	-	-	<b>3,657</b>	<b>79,289</b>

**Service Enhancements**

**City Of Ottawa**  
**2021 Draft Capital Budget**  
**Transportation Committee**  
**Funding Summary**  
**In Thousands \$(000's)**

Project Description	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
909998 2021 Accessible Pedestrian Signal / Pedestrian	-	614	-	-	-	-	-	614
909999 2021 Pedestrian Safety Evaluation Program	-	389	-	-	-	-	-	389
910022 2021 Pedestrian Crossover Program	-	512	-	-	-	-	-	512
910023 2021 Cycling Safety Program	-	107	-	-	-	-	-	107
910024 2021 Safer Roads Ottawa	-	430	-	-	-	-	-	430
910212 2021 Road Safety Action Program	-	4,000	-	-	-	-	-	4,000
<b>Service Enhancements Total</b>	-	<b>6,052</b>	-	-	-	-	-	<b>6,052</b>
<b>Transportation Services Total</b>	-	<b>45,331</b>	<b>55,954</b>	<b>9,185</b>	-	-	<b>28,572</b>	<b>139,042</b>
<b>Grand Total</b>	-	<b>121,784</b>	<b>75,751</b>	<b>9,185</b>	<b>60,664</b>	<b>15,700</b>	<b>52,616</b>	<b>335,700</b>

City of Ottawa  
Public Works & Environmental Services Department  
GM's Office & Business Support Services - Operating Resource Requirement Analysis  
In Thousands (\$000)

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
General Manager's Office	830	430	0	8	0	0	0	438	8
Business Technical Support Services	5,038	4,836	0	116	0	0	0	4,952	116
Technical Innovation & Engineering Support Services	6,046	6,143	0	136	0	0	0	6,279	136
<b>Gross Expenditure</b>	<b>11,914</b>	<b>11,409</b>	<b>0</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,669</b>	<b>260</b>
Recoveries & Allocations	-283	-283	0	0	0	0	0	-283	0
Revenue	-34	-34	0	0	0	0	0	-34	0
<b>Net Requirement</b>	<b>11,597</b>	<b>11,092</b>	<b>0</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,352</b>	<b>260</b>
<b>Expenditures by Type</b>		-505							
Salaries, Wages & Benefits	11,998	10,986	0	260	0	0	0	11,246	260
Overtime	50	50	0	0	0	0	0	50	0
Material & Services	422	261	0	0	0	0	0	261	0
Transfers/Grants/Financial Charges	0	50	0	0	0	0	0	50	0
Fleet Costs	0	0	0	0	0	0	0	0	0
Program Facility Costs	0	0	0	0	0	0	0	0	0
Other Internal Costs	-556	62	0	0	0	0	0	62	0
<b>Gross Expenditures</b>	<b>11,914</b>	<b>11,409</b>	<b>0</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,669</b>	<b>260</b>
Recoveries & Allocations	-283	-283	0	0	0	0	0	-283	0
<b>Net Expenditure</b>	<b>11,631</b>	<b>11,126</b>	<b>0</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,386</b>	<b>260</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>0.0%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>	
<b>Revenues By Type</b>									
Federal	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0
Fees and Services	-34	-34	0	0	0	0	0	-34	0
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-34</b>	<b>-34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-34</b>	<b>0</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	
<b>Net Requirement</b>	<b>11,597</b>	<b>11,092</b>	<b>0</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,352</b>	<b>260</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>0.0%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>	
<b>Full Time Equivalents (FTE's)</b>		106.65	0.00	0.00	0.00	0.00	0.00	<b>106.65</b>	<b>0.00</b>
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

City of Ottawa  
 Public Works & Environmental Services Department  
 GM's Office & Business Support Services - Operating Resource Requirement Explanatory Notes  
 In Thousands (\$000)

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)		
	Expense	Revenue	Net
Deficit mainly due to unbudgeted temp positions	-505	0	-505
<b>Total Surplus / (Deficit)</b>	<b>-505</b>	<b>0</b>	<b>-505</b>

2021 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2021 Changes	FTE Impact
<b>Maintain Services</b> All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	260	0	260	0.00
<b>Total Maintain Services</b>	<b>260</b>	<b>0</b>	<b>260</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>260</b>	<b>0</b>	<b>260</b>	<b>0.00</b>



City of Ottawa  
Public Works & Environmental Services Department  
Roads Services - Operating Resource Requirement Analysis  
In Thousands (\$000)

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
Roads Operations	130,506	128,635	-250	3,065	0	0	0	131,450	2,815
<b>Gross Expenditure</b>	<b>130,506</b>	<b>128,635</b>	<b>-250</b>	<b>3,065</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131,450</b>	<b>2,815</b>
Recoveries & Allocations	-11,094	-9,733	0	0	0	0	0	-9,733	0
Revenue	-2,156	-1,146	0	0	0	0	-15	-1,161	-15
<b>Net Requirement</b>	<b>117,256</b>	<b>117,756</b>	<b>-250</b>	<b>3,065</b>	<b>0</b>	<b>0</b>	<b>-15</b>	<b>120,556</b>	<b>2,800</b>
<b>Expenditures by Type</b>									
Salaries, Wages & Benefits	46,391	46,650	0	1,205	0	0	0	47,855	1,205
Overtime	7,734	5,984	0	0	0	0	0	5,984	0
Material & Services	48,777	49,935	-250	1,390	0	0	0	51,075	1,140
Transfers/Grants/Financial Charges	0	0	0	0	0	0	0	0	0
Fleet Costs	28,620	27,082	0	470	0	0	0	27,552	470
Program Facility Costs	0	0	0	0	0	0	0	0	0
Other Internal Costs	-1,016	-1,016	0	0	0	0	0	-1,016	0
<b>Gross Expenditures</b>	<b>130,506</b>	<b>128,635</b>	<b>-250</b>	<b>3,065</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131,450</b>	<b>2,815</b>
Recoveries & Allocations	-11,094	-9,733	0	0	0	0	0	-9,733	0
<b>Net Expenditure</b>	<b>119,412</b>	<b>118,902</b>	<b>-250</b>	<b>3,065</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121,717</b>	<b>2,815</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>-0.2%</b>	<b>2.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.4%</b>	
<b>Revenues By Type</b>									
Federal	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0
Fees and Services	-2,156	-1,146	0	0	0	0	-15	-1,161	-15
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-2,156</b>	<b>-1,146</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-15</b>	<b>-1,161</b>	<b>-15</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>1.3%</b>	<b>1.3%</b>	
<b>Net Requirement</b>	<b>117,256</b>	<b>117,756</b>	<b>-250</b>	<b>3,065</b>	<b>0</b>	<b>0</b>	<b>-15</b>	<b>120,556</b>	<b>2,800</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>-0.2%</b>	<b>2.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.4%</b>	
<b>Full Time Equivalents (FTE's)</b>		504.51	0.00	0.00	0.00	0.00	0.00	<b>504.51</b>	<b>0.00</b>
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

City of Ottawa  
Public Works & Environmental Services Department  
Roads Services - Operating Resource Requirement Explanatory Notes  
In Thousands (\$000)

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Deficit mainly due to increased Fleet costs, offset by increased recovery for Rideau River Ice Management	-510	1,010	500	
<b>Total Surplus / (Deficit)</b>	<b>-510</b>	<b>1,010</b>	<b>500</b>	
2020 Baseline Adjustment / Explanation	Increase / (Decrease)			FTE Impact
	Expense	Revenue	Net 2020 Changes	
Reversal of one time budget for Roads Maintenance Quality Review	-250	0	-250	0.00
<b>Total Adjustments to Base Budget</b>	<b>-250</b>	<b>0</b>	<b>-250</b>	<b>0.00</b>
<b>Maintain Services</b>				
All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	1,205	0	1,205	0.00
Inflationary increases on contracted services, maintenance agreements and materials and supplies.	1,240	0	1,240	0.00
Increase in Fleet costs related to inflation on compensation contracts, parts, fuel, contribution to capital reserve and maintenance.	620	0	620	0.00
<b>Total Maintain Services</b>	<b>3,065</b>	<b>0</b>	<b>3,065</b>	<b>0.00</b>
<b>User Fees &amp; Revenues</b>				
See following user fee schedule for details on the specific rates.	0	-15	-15	0.00
<b>Total User Fees &amp; Revenues</b>	<b>0</b>	<b>-15</b>	<b>-15</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>2,815</b>	<b>-15</b>	<b>2,800</b>	<b>0.00</b>

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - Operating Resource Requirement Analysis  
In Thousands (\$000)

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
Parking Operations Maintenance & Development	872	1,182	0	192	0	0	0	1,374	192
On & Off Street Operations	10,789	15,884	-11	-92	0	0	0	15,781	-103
<b>Gross Expenditure</b>	<b>11,661</b>	<b>17,066</b>	<b>-11</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,155</b>	<b>89</b>
Recoveries & Allocations	-203	-203	0	0	0	0	0	-203	0
Revenue	-11,447	-16,852	0	0	0	0	-100	-16,952	-100
<b>Net Requirement</b>	<b>11</b>	<b>11</b>	<b>-11</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>-100</b>	<b>0</b>	<b>-11</b>
<b>Expenditures by Type</b>									
Salaries, Wages & Benefits	1,702	1,612	0	240	0	0	0	1,852	240
Overtime	42	42	0	0	0	0	0	42	0
Material & Services	4,702	5,133	0	200	0	0	0	5,333	200
Transfers/Grants/Financial Charges	-1,560	3,287	-11	-373	0	0	0	2,903	-384
Fleet Costs	41	41	0	0	0	0	0	41	0
Program Facility Costs	751	751	0	33	0	0	0	784	33
Other Internal Costs	5,983	6,200	0	0	0	0	0	6,200	0
<b>Gross Expenditures</b>	<b>11,661</b>	<b>17,066</b>	<b>-11</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,155</b>	<b>89</b>
Recoveries & Allocations	-203	-203	0	0	0	0	0	-203	0
<b>Net Expenditure</b>	<b>11,458</b>	<b>16,863</b>	<b>-11</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,952</b>	<b>89</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>-0.1%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.5%</b>	
<b>Revenues By Type</b>									
Federal	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0
Fees and Services	-11,447	-16,852	0	0	0	0	-100	-16,952	-100
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-11,447</b>	<b>-16,852</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-100</b>	<b>-16,952</b>	<b>-100</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.6%</b>	<b>0.6%</b>	
<b>Net Requirement</b>	<b>11</b>	<b>11</b>	<b>-11</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>-100</b>	<b>0</b>	<b>-11</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>-100.0%</b>	<b>909.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>-909.1%</b>	<b>-100.0%</b>	
<b>Full Time Equivalents (FTE's)</b>		15.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

City of Ottawa  
Public Works & Environmental Services Department  
Parking Services - Operating Resource Requirement Explanatory Notes  
In Thousands (\$000)

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Due to the COVID-19 pandemic, a decrease in On-Street & Off-Street revenues will result in a draw from the Parking Reserve Fund (PRF) at year-end to offset annual expenditures.	5,405	-5,405	0	
<b>Total Surplus / (Deficit)</b>	<b>5,405</b>	<b>-5,405</b>	<b>0</b>	
2020 Baseline Adjustment / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2020 Changes	FTE Impact
Balancing adjustment to the Pay-As-You Go (PAYG) contribution to the Parking Reserve Fund (PRF).	-11	0	-11	0.00
<b>Total Adjustments to Base Budget</b>	<b>-11</b>	<b>0</b>	<b>-11</b>	<b>0.00</b>
<b>Maintain Services</b>				
All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	40	0	40	0.00
Increase in security guard costs at City lots 8 and 12.	200	0	200	0.00
Increase in Facility costs related to inflation on compensation and lease contracts and hydro, heating and water rate increases.	33	0	33	0.00
Staffing resources to support the Precise Parklink contract as per recommendations in the Council approved Precise Parklink report ACS2020-PWE-RPS-0001	200	0	200	0.00
Reduction in the Pay-As-You Go (PAYG) contribution to the Parking Reserve Fund (PRF).	-373	0	-373	0.00
<b>Total Maintain Services</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>0.00</b>
<b>User Fees &amp; Revenues</b>				
See following user fee schedule for details on specific rates.	0	-100	-100	0.00
<b>Total User Fees &amp; Revenues</b>	<b>0</b>	<b>-100</b>	<b>-100</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>89</b>	<b>-100</b>	<b>-11</b>	<b>0.00</b>

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

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
Traffic Services	57,652	60,202	-1,500	5,930	2,375	0		67,007	6,805
<b>Gross Expenditure</b>	<b>57,652</b>	<b>60,202</b>	<b>-1,500</b>	<b>5,930</b>	<b>2,375</b>	<b>0</b>	<b>0</b>	<b>67,007</b>	<b>6,805</b>
Recoveries & Allocations	-5,639	-5,639	0	0	0	0	0	-5,639	0
Revenue	-1,932	-1,932	0	0	0	0	-20	-1,952	-20
<b>Net Requirement</b>	<b>50,081</b>	<b>52,631</b>	<b>-1,500</b>	<b>5,930</b>	<b>2,375</b>	<b>0</b>	<b>-20</b>	<b>59,416</b>	<b>6,785</b>
<b>Expenditures by Type</b>									
Salaries, Wages & Benefits	27,353	27,853	0	1,209	100	0	0	29,162	1,309
Overtime	825	825	0	16	0	0	0	841	16
Material & Services	25,657	27,706	-1,500	670	2,275	0	0	29,151	1,445
Transfers/Grants/Financial Charges	0	0	0	4,000	0	0	0	4,000	4,000
Fleet Costs	2,913	2,913	0	35	0	0	0	2,948	35
Program Facility Costs	0	1	0	0	0	0	0	1	0
Other Internal Costs	904	904	0	0	0	0	0	904	0
<b>Gross Expenditures</b>	<b>57,652</b>	<b>60,202</b>	<b>-1,500</b>	<b>5,930</b>	<b>2,375</b>	<b>0</b>	<b>0</b>	<b>67,007</b>	<b>6,805</b>
Recoveries & Allocations	-5,639	-5,639	0	0	0	0	0	-5,639	0
<b>Net Expenditure</b>	<b>52,013</b>	<b>54,563</b>	<b>-1,500</b>	<b>5,930</b>	<b>2,375</b>	<b>0</b>	<b>0</b>	<b>61,368</b>	<b>6,805</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>-2.7%</b>	<b>10.9%</b>	<b>4.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.5%</b>	
<b>Revenues By Type</b>									
Federal	-20	-20	0	0	0	0	0	-20	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0
Fees and Services	-1,912	-1,912	0	0	0	0	-20	-1,932	-20
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-1,932</b>	<b>-1,932</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-20</b>	<b>-1,952</b>	<b>-20</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>1.0%</b>	<b>1.0%</b>	
<b>Net Requirement</b>	<b>50,081</b>	<b>52,631</b>	<b>-1,500</b>	<b>5,930</b>	<b>2,375</b>	<b>0</b>	<b>-20</b>	<b>59,416</b>	<b>6,785</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>-2.9%</b>	<b>11.3%</b>	<b>4.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>12.9%</b>	
<b>Full Time Equivalents (FTE's)</b>		274.37	0.00	0.00	0.00	0.00	0.00	274.37	0.00
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

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

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
COVID-19 due to personal protection equipment costs	-85	0	-85	
COVID-19 cost savings due mainly to School Crossing Guard program, vacancies and some reductions in discretionary spending	1,495	0	1,495	
Expenses related to the implementation of the Road Safety Speed Enforcement program	-600	0	-600	
Street light energy savings resulting from the LED conversion program	1,600	0	1,600	
Miscellaneous items	140	0	140	
<b>Total Surplus / (Deficit)</b>	<b>2,550</b>	<b>0</b>	<b>2,550</b>	
2020 Baseline Adjustment / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2020 Changes	FTE Impact
Lower street light energy consumption due to LED conversion	-1,500	0	-1,500	0.00
<b>Total Adjustments to Base Budget</b>	<b>-1,500</b>	<b>0</b>	<b>-1,500</b>	<b>0.00</b>
<b>Maintain Services</b>				
All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	650	0	650	0.00
Increase in Fleet costs related to inflation on compensation contracts, parts, fuel, contribution to capital reserve and maintenance.	35	0	35	0.00
Automated Speed Enforcement program initiative (Jan-Sept 2021) Council report ACS2019-TSD-TRF-0009	1,245	0	1,245	0.00
One-time contribution to fund the Road Safety Speed Enforcement capital program	4,000	0	4,000	0.00
<b>Total Maintain Services</b>	<b>5,930</b>	<b>0</b>	<b>5,930</b>	<b>0.00</b>
<b>Growth</b>				
Adult School Crossing Guards to support 10 new locations.	125	0	125	0.00
Red Light Camera Program - maintenance cost to support 10 new locations.	500	0	500	0.00
Fleet allocation to support new paint vehicle	150	0	150	0.00
Special Events and Film Advisor position to address the needs of the film industry	100	0	100	0.00
Funding for new pavement marking material - approved Council report ACS2019-TSD-TRF-0007	1,500	0	1,500	0.00
<b>Total Growth</b>	<b>2,375</b>	<b>0</b>	<b>2,375</b>	<b>0.00</b>
<b>User Fees &amp; Revenues</b>				
See following user fee schedule for details on the specific rates.	0	-20	-20	0.00
<b>Total User Fees &amp; Revenues</b>	<b>0</b>	<b>-20</b>	<b>-20</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>6,805</b>	<b>-20</b>	<b>6,785</b>	<b>0.00</b>

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

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
Transportation Planning	4,953	4,931	266	122	0	0	0	5,319	388
<b>Gross Expenditure</b>	<b>4,953</b>	<b>4,931</b>	<b>266</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,319</b>	<b>388</b>
Recoveries & Allocations	-517	-495	-266	-12	0	0	0	-773	-278
Revenue	-55	-55	0	0	0	0	0	-55	0
<b>Net Requirement</b>	<b>4,381</b>	<b>4,381</b>	<b>0</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,491</b>	<b>110</b>
<b>Expenditures by Type</b>									
Salaries, Wages & Benefits	4,877	4,764	266	122	0	0	0	5,152	388
Overtime	14	34	0	0	0	0	0	34	0
Material & Services	37	108	0	0	0	0	0	108	0
Transfers/Grants/Financial Charges	0	0	0	0	0	0	0	0	0
Fleet Costs	0	0	0	0	0	0	0	0	0
Program Facility Costs	0	0	0	0	0	0	0	0	0
Other Internal Costs	25	25	0	0	0	0	0	25	0
<b>Gross Expenditures</b>	<b>4,953</b>	<b>4,931</b>	<b>266</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,319</b>	<b>388</b>
Recoveries & Allocations	-517	-495	-266	-12	0	0	0	-773	-278
<b>Net Expenditure</b>	<b>4,436</b>	<b>4,436</b>	<b>0</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,546</b>	<b>110</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>0.0%</b>	<b>2.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.5%</b>	
<b>Revenues By Type</b>									
Federal	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	-11	-11	0	0	0	0	0	-11	0
Fees and Services	-44	-44	0	0	0	0	0	-44	0
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-55</b>	<b>-55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-55</b>	<b>0</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	
<b>Net Requirement</b>	<b>4,381</b>	<b>4,381</b>	<b>0</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,491</b>	<b>110</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>0.0%</b>	<b>2.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.5%</b>	
<b>Full Time Equivalents (FTE's)</b>		36.00	0.00	0.00	0.00	0.00	0.00	<b>36.00</b>	<b>0.00</b>
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

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

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
No significant variances to report.	0	0	0	
<b>Total Surplus / (Deficit)</b>	<b>0</b>	<b>0</b>	<b>0</b>	
2020 Baseline Adjustment / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2020 Changes	FTE Impact
Increase temporary staff resources offset by capital recoveries.	266	0	266	0.00
Increase capital recoveries for temporary staff resources.	-266	0	-266	0.00
<b>Total Adjustments to Base Budget</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Maintain Services</b>				
All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	122	0	122	0.00
Recoveries for increase in cost of living, increments and benefit adjustments.	-12	0	-12	0.00
<b>Total Maintain Services</b>	<b>110</b>	<b>0</b>	<b>110</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>110</b>	<b>0</b>	<b>110</b>	<b>0.00</b>



City of Ottawa  
 Innovative Client Services Department  
 Fleet Services - Operating Resource Requirement Analysis  
 In Thousands (\$000)

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Expenditures by Program</b>									
Fleet Sr. Manager	9,091	271	0	6	0	0	0	277	6
Maintenance and Technical Services	64,429	60,270	0	1,404	0	0	0	61,674	1,404
Safety and Training	3,117	3,338	0	64	0	0	0	3,402	64
Supply Chain and Operational Support/Training	14,452	16,568	0	-199	0	0	0	16,369	-199
Fleet & General Stores	3,709	3,709	0	85	0	0	0	3,794	85
<b>Gross Expenditure</b>	<b>94,798</b>	<b>84,156</b>	<b>0</b>	<b>1,360</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,516</b>	<b>1,360</b>
Recoveries & Allocations	-90,290	-79,898	0	-1,275	0	0	0	-81,173	-1,275
Revenue	-799	-549	0	0	0	0	0	-549	0
<b>Net Requirement</b>	<b>3,709</b>	<b>3,709</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,794</b>	<b>85</b>
<b>Expenditures by Type</b>									
Salaries, Wages & Benefits	21,408	20,055	0	455	0	0	0	20,510	455
Overtime	893	712	0	15	0	0	0	727	15
Material & Services	49,229	40,161	0	440	0	0	0	40,601	440
Transfers/Grants/Financial Charges	22,371	22,371	0	450	0	0	0	22,821	450
Fleet Costs	1,140	786	0	0	0	0	0	786	0
Program Facility Costs	0	0	0	0	0	0	0	0	0
Other Internal Costs	-243	71	0	0	0	0	0	71	0
<b>Gross Expenditures</b>	<b>94,798</b>	<b>84,156</b>	<b>0</b>	<b>1,360</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,516</b>	<b>1,360</b>
Recoveries & Allocations	-90,290	-79,898	0	-1,275	0	0	0	-81,173	-1,275
<b>Net Expenditure</b>	<b>4,508</b>	<b>4,258</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,343</b>	<b>85</b>
<b>Percent of 2020 Net Expenditure Budget</b>			<b>0.0%</b>	<b>2.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.0%</b>	

City of Ottawa  
 Innovative Client Services Department  
 Fleet Services - Operating Resource Requirement Analysis  
 In Thousands (\$000)

	2020 Baseline			2021 Adjustments				2021	\$ Change over 2020 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Growth	COVID-19	User Fees & Revenues	Estimate	
<b>Revenues By Type</b>									
Federal	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0
Fees and Services	-799	-549	0	0	0	0	0	-549	0
Fines	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
<b>Total Revenue</b>	<b>-799</b>	<b>-549</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-549</b>	<b>0</b>
<b>Percent of 2020 Revenue Budget</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	
<b>Net Requirement</b>	<b>3,709</b>	<b>3,709</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,794</b>	<b>85</b>
<b>Percent of 2020 Net Requirement Budget</b>			<b>0.0%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>	
<b>Full Time Equivalents (FTE's)</b>		194.00	0.00	0.00	0.00	0.00	0.00	<b>194.00</b>	<b>0.00</b>
<b>Percent of 2020 FTE's</b>			<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	

**City of Ottawa**  
**Innovative Client Services Department**  
**Fleet Services - Operating Resource Requirement Explanatory Notes**  
**In Thousands (\$000)**

2020 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)		
	Expense	Revenue	Net
Increased expenditures primarily from additional fleet costs for winter maintenance operations associated with the winter storms and resulting clean-up required in the first half of 2020 winter season partially offset by increased revenues from additional Fleet fuel costs recovery to support external client operations.	-1,883	250	-1,633
One-time additional costs and temporary resources required to address City wide requirements for personal protective equipment as a result of COVID-19.	-8,759	0	-8,759
Allocation of Fleet costs to client operations.	10,392	0	10,392
<b>Total Surplus / (Deficit)</b>	<b>-250</b>	<b>250</b>	<b>0</b>

2021 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2021 Changes	FTE Impact
<b>Maintain Services</b>				
All programs include an adjustment for potential 2021 cost of living, increments and benefit adjustments.	470	0	470	0.00
Inflationary impact on purchased services, parts and maintenance, fuel and contribution to capital reserve.	890	0	890	0.00
Allocation of Fleet costs to client operations.	-1,275	0	-1,275	0.00
<b>Total Maintain Services</b>	<b>85</b>	<b>0</b>	<b>85</b>	<b>0.00</b>

2021 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2021 Changes	FTE Impact
<b>User Fees &amp; Revenues</b>				
See following user fee schedule for details on the specific rates.	0	0	0	0.00
<b>Total User Fees &amp; Revenues</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total Budget Changes</b>	<b>85</b>	<b>0</b>	<b>85</b>	<b>0.00</b>

# Capital Budget

City of Ottawa  
 2021 Draft Capital Budget  
 Transportation Committee  
 In Thousands (\$000)

Service Area: Fleet Services											
Category	2021 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	23,495	0	23,495	0	0	0	0	0	0	0	0
Growth	0	0	0	0	0	0	0	0	0	0	0
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Service Enhancements	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>23,495</b>	<b>0</b>	<b>23,495</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**City of Ottawa**  
**2021 Draft Capital Budget**  
**Service Area: Fleet Services**  
**In Thousands (\$000)**

Project Information			Financial Details								
<b>910002 Municipal Fleet UpFits, Facilities&amp;Tools - 2021</b>			<b>Class of Estimate: Not Applicable</b>								
Dept: Corporate Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2024								
<p>This program provides for the up-fitting / minor refurbishment of the City's municipal fleet (vehicles &amp; equipment) as well as the acquisition, refurbishment, and replacement of municipal shop tools, fuel tanks, and equipment that has reached the end of its useful life.</p> <p>In order to maximize the optimal useful life of the City's vehicles and equipment, up-fits and minor refurbishments are required periodically. In addition, to maintain appropriate levels of service, technicians (mechanics) tools, equipment, and work areas require regular review, modernization (new technology), and re-work or redesign (small garage renovations and replacements of hoists). Costs related to improvements to the facilities (such as security cameras, etc.) and emergency generators would also be funded from this account.</p> <p>Municipal Fleet Up Fits, Facilities and Tools: \$280k</p>			<b>2021 Request</b>		280		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		280		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		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		280		280		280		280
			Spending Plan		280		280		280		280
			FTE's		0		0		0		0
Operating Impact		0		0		0		0			
<b>910014 Lifecycle Renewal Fleet - 2021</b>			<b>Class of Estimate: Not Applicable</b>								
Dept: Corporate Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2024								
<p>This program provides funding authority for Municipal vehicles and equipment scheduled for replacement, life extension, or major modification. The timely replacement of vehicles and equipment at the optimal point in their lifecycle (which is a combination of age and usage) has many benefits: total funding is at its lowest point, which includes both capital and operating; vehicle reliability is protected which minimizes on-the-road failures and maximizes vehicle up-time / availability. Vehicles and equipment replacement decisions are based upon such factors as vehicle age, vehicle usage, analysis of operating costs (including maintenance), as well as an assessment of the condition of the vehicles.</p> <p>Total Replacement Funding: \$23.2M</p>			<b>2021 Request</b>		23,215		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		23,215		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		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		23,215		36,500		21,500		29,000
			Spending Plan		23,215		36,500		21,500		29,000
			FTE's		0		0		0		0
Operating Impact		0		0		0		0			

City of Ottawa  
 2021 Draft Capital Budget  
 Transportation Committee  
 In Thousands (\$000)

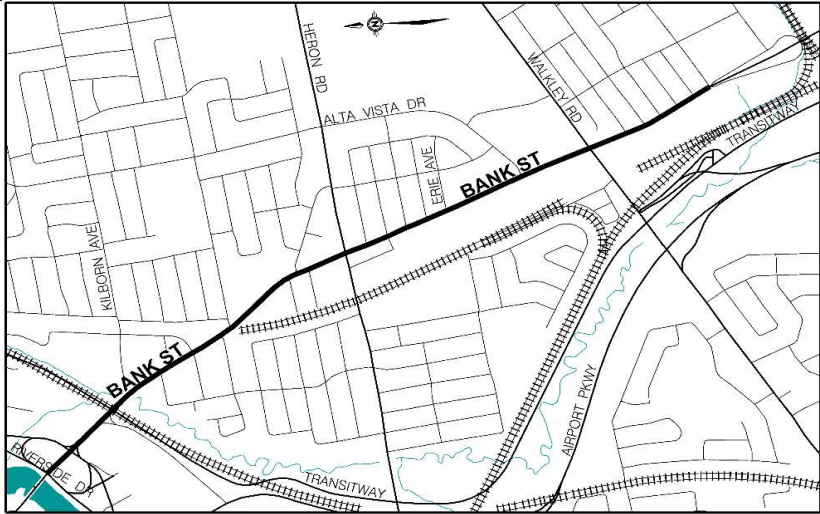
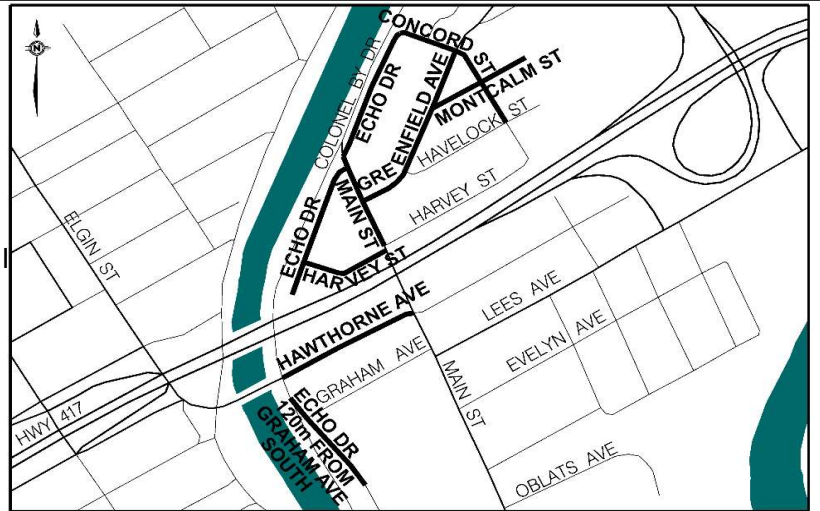
Service Area: Integrated Roads, Water & Wastewater											
Category	2021 Capital Budget	Revenues	Tax Supported/ Dedicated Reserves	Rate Supported Reserves	Develop. Charges	Gas Tax	Debt				
							Tax/ Dedicated	Rate	Develop. Charges	Gas Tax	Total Debt
Renewal of City Assets	142,853	0	45,310	60,664	0	0	21,179	15,700	0	0	36,879
Growth	0	0	0	0	0	0	0	0	0	0	0
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Service Enhancements	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>142,853</b>	<b>0</b>	<b>45,310</b>	<b>60,664</b>	<b>0</b>	<b>0</b>	<b>21,179</b>	<b>15,700</b>	<b>0</b>	<b>0</b>	<b>36,879</b>

**City of Ottawa**  
**2021 Draft Capital Budget**  
**Service Area: Integrated Roads, Water & Wastewater**  
 In Thousands (\$000)

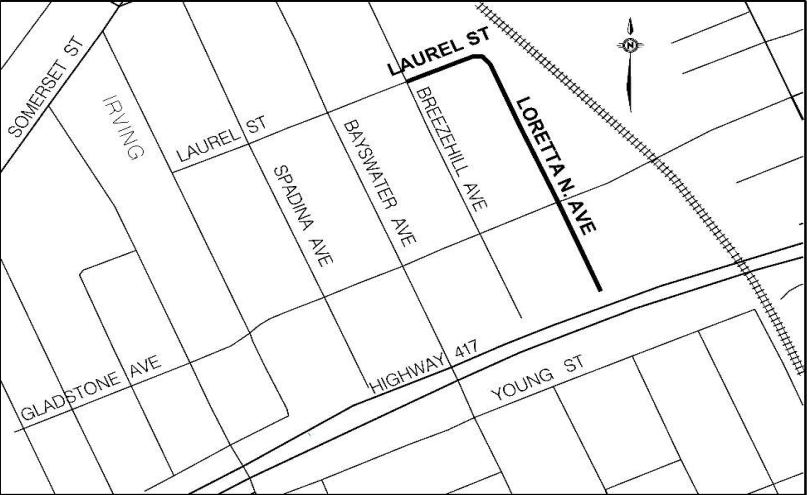
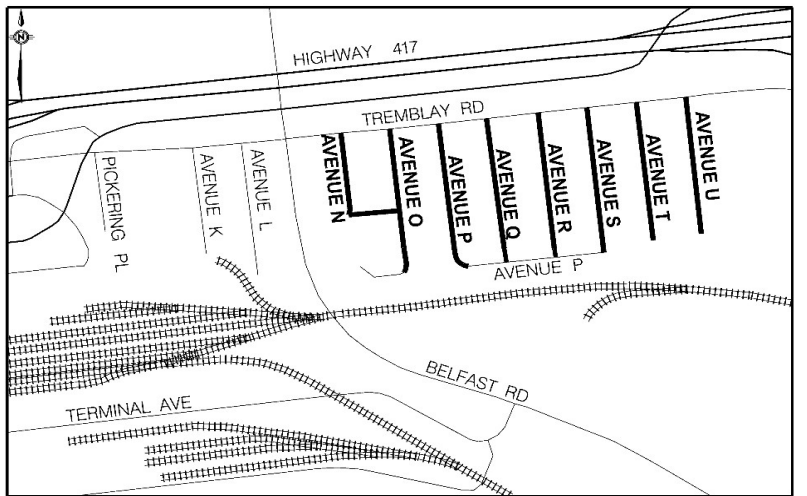
Program Information		Financial Details					
<b>Integrated Rehab-Intensification Areas</b>		<b>Class of Estimate: C) Planning</b>					
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various				
<p>Integrated rehabilitation projects include rehabilitation of more than one asset class; roads, sanitary sewers, storm drainage, and watermains, which are coordinated within a single project. The projects identify, renew, and replace existing infrastructure assets in need of refurbishment. The Official Plan (OP) outlines the City's overall goal to expand, through intensification, in the urban areas. The Infrastructure Master Plan (IMP) supports the OP by providing guidelines to identify demands of growth funding, which is provided through the Development Charges (DC) By-law to components of infrastructure rehabilitation supporting growth objectives.</p> <p>The rehabilitation strategies for existing infrastructure, which address level of service, environmental and public health issues, provide the opportunity to generate additional capacity for growth. This is accomplished through one of the following options: providing a global system benefit with the replacement of existing infrastructure, the upsizing of existing infrastructure, reducing infiltration, or improving system hydraulics. The Integrated Rehabilitation - Intensification Areas program provides for grouping of proposed rehabilitation projects, which have identified intensification potential and are within sewer catchment areas.</p>		<b>2021 Request</b>	<b>58,478</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	4,947	Tax Supported/ Dedicated Debt			15,504
		Rate Supported	27,327	Rate Supported Debt			10,700
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	58,478	67,874	33,957	29,874	
		Spending Plan	29,236	48,916	40,006	38,472	
		FTE's	0	0	0	0	
Operating Impact	0	0	0	0			



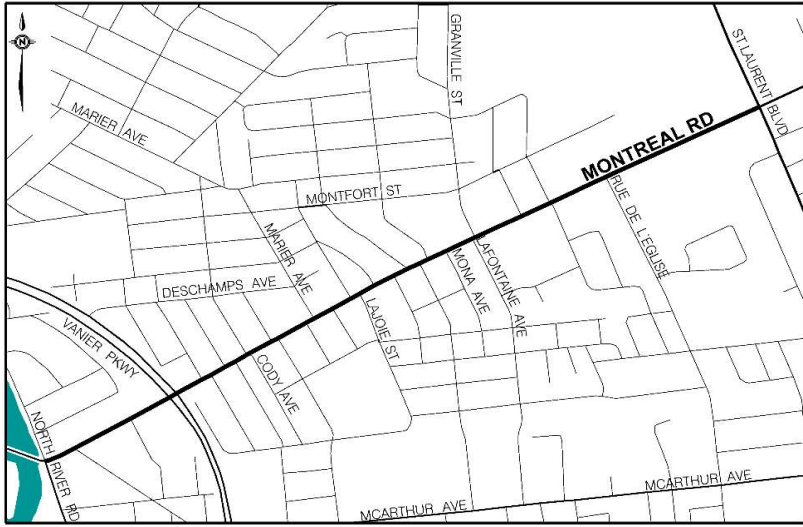
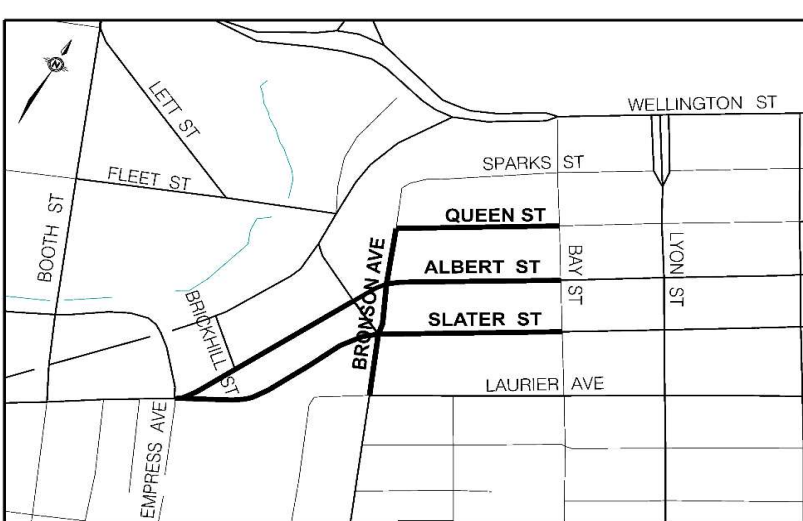
**City of Ottawa**  
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Project(s) within a Program Information		Location/Description	\$000's
<b>906735 Bank St (Riverside-Ledbury)</b>		<b>Class of Estimate: B) Design</b>	<b>5,600</b>
Category: Renewal of City Assets	Ward: 16	Year of Completion: 2020	
<p>The existing watermains and sewers in Bank St from Riverside Dr to 150m north of Ledbury Ave are in poor condition and need replacement to improve the level of service and reduce the risk of basement flooding. Full road reconstruction, including curbs and sidewalks, will be included. Enhancements with this project include cycle tracks and protected intersections. This funding request will provide for project related costs in advance of construction that may include but are not limited to property acquisition and utility relocation. Construction scheduling will be phased across several years; the design process will identify the most appropriate phasing. Construction funding will be a future budget request. Funding Request is comprised of: Roads - \$1.933M, Watermains - \$1.483M, Sanitary Sewers - \$666K and Storm Drainage - \$1.518M.</p> <p>The new year of completion will be 2027.</p>			
<b>906900 Main Greenfield Echo Concord et al</b>		<b>Class of Estimate: B) Design</b>	<b>5,142</b>
Category: Renewal of City Assets	Ward: 17	Year of Completion: 2020	
<p>The combined sewers in Concord, Echo, Greenfield, Harvey, Main and Montcalm will be reconstructed due to age, condition and to allow for sewer separation. The existing sanitary sewers in Hawthorne will be replaced due to age &amp; condition. The existing storm sewer in Hawthorne will be replaced due to alignment conflicts. The watermains within the project limits will be replaced due to age, condition and the presence of lead services. Full road reconstruction including curbs &amp; sidewalks will be included. Enhancements include cycle tracks on Main, Hawthorne &amp; Greenfield, a MUP on Echo (Hawthorne-Graham), interlocking paver sidewalks on Main, a paver blvd on Hawthorne, a new sidewalk on Echo (Harvey-HWY 417) and a new sidewalk on Montcalm(Greenfield-Concord). The estimated cost for enhancements is \$2M. Traffic Safety improvements have been included with this project at an estimated cost of \$70k. Contribution to public art is \$200K. Funding request is comprised of: Roads - \$1.177M, Watermains - \$1.483M, Sanitary Sewers - \$1.106M and Storm - \$1.376M.</p> <p>New year of completion is 2023.</p>			

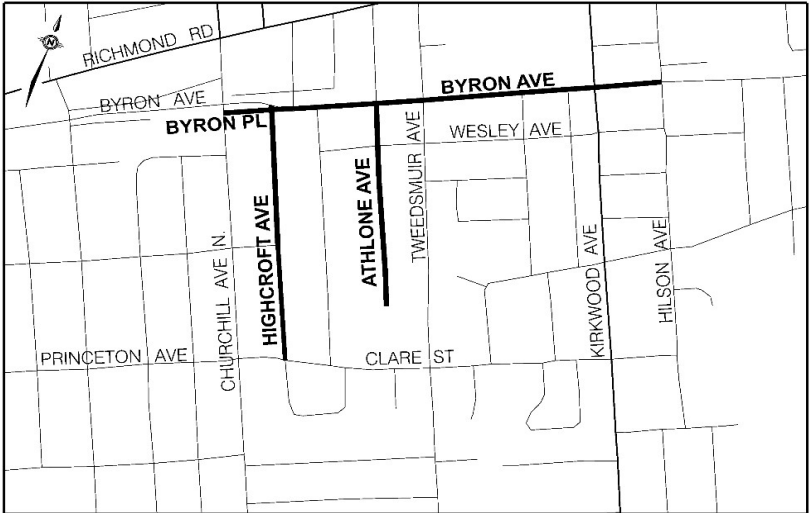
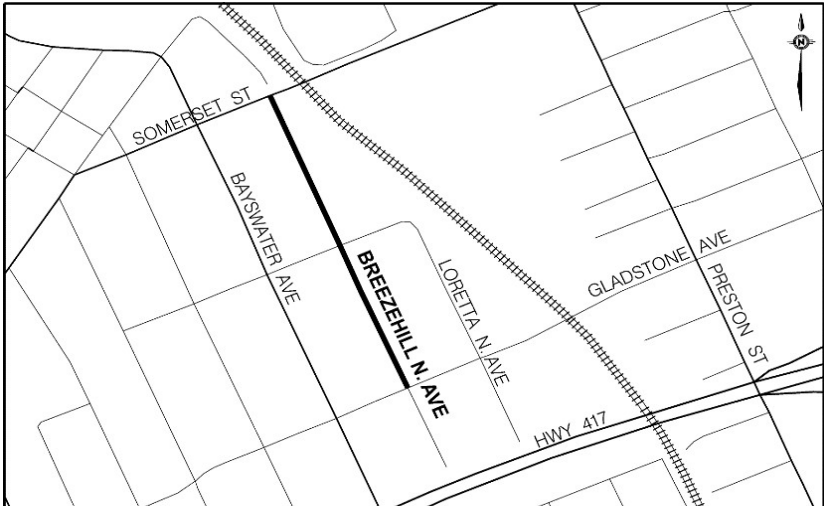
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Project(s) within a Program Information	Location/Description	\$000's
<b>906901 CWWF ORAP - Loretta Ave N&amp;S - Laurel St</b>		
<b>Class of Estimate: B) Design</b>		
<b>8,466</b>		
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2023
<p>The existing combined sewers in Loretta Ave from Hwy 417 to Laurel Ave will be reconstructed due to age, condition and to allow for combined sewer separation. There are no sewer needs in Laurel St. The existing local watermains in Loretta Ave and Laurel St require replacement due to age, condition and the presence of lead services. The large diameter watermain in Loretta and Laurel will be reconstructed due to condition and adjacent construction impacts. The project will include full road reconstruction as well as sewer and watermain services to the property line. Project enhancements include a new sidewalk on the south side of Laurel St at an estimated cost of \$35K. Traffic safety improvements have been included at an estimated cost of \$267K. The funding request will provide for all project related costs which may include but are not limited to construction and property acquisition. Contribution to public art is \$61K. Funding Request is comprised of: Roads - \$880K, Watermains - \$6.155M, Sanitary Sewers - \$784K and Storm Drainage - \$647K.</p>		
<b>908138 CWWF Avenue N-O-P-Q-R-S-T-U</b>		
<b>Class of Estimate: A) Pre-Tender</b>		
<b>9,491</b>		
Category: Renewal of City Assets	Ward: 18	Year of Completion: 2021
<p>The sanitary sewers within Avenue N, O, P, Q, R, S, T and U will be replaced due to condition. The watermains will be replaced due to the proximity to the sanitary sewer and/or to improve the configuration of the system. Full road reconstruction including curbs and sidewalks as well as water and sewer services to the property line will be included. Enhancement with this project include new sidewalks on Avenue N, O, P, Q, R, S at an estimated cost of \$522k. Contribution to public art is \$72k.</p> <p>The new year of completion is 2023.</p> <p>The 2021 funding request replenishes funding that was repurposed to support the COVID-19 funding requirements in 2020. The funding is for all project related costs which may include but not limited to construction and property acquisition.</p> <p>Funding Request is comprised of: Roads - \$1.722M, Watermains - \$3.454M, Sanitary Sewers - \$3.084M and Storm Drainage - \$1.231M</p>		

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Project(s) within a Program Information	Location/Description	\$000's
<b>908139 Montreal Rd (N River Rd-St Laurent)</b> <span style="float: right;"><b>Class of Estimate: A) Pre-Tender</b></span> <span style="float: right;"><b>8,227</b></span>		
Category: Renewal of City Assets	Ward: 12	Year of Completion: 2020
<p>The watermains in Montreal Rd from North River Rd to St Laurent Blvd require replacement due to their age, poor condition and the presence of lead services. Sections of sanitary &amp; storm sewers require replacement due to their age, poor condition, or to accommodate the construction of the watermain. The project will include road rehabilitation, curbs and sidewalks. Enhancements with this project include a raised cycle track on both the north side and south side of Montreal Rd from Durocher to St Laurent, wider sidewalks, a protected intersection at Vanier Pkwy, streetscaping improvements, transit priority measures, as well as the required property and hydro burial at an estimated cost of \$35M dollars. This authority request provides the additional funding required for design fees, construction costs, bus detour costs as well as other project related costs. Funding Request is comprised of: Roads - \$4.731M, Watermains - \$1.343M, Sanitary Sewers - \$411K, Storm Drainage - \$442K and Transit - \$1.3M.</p> <p>The new year of completion is 2024.</p>	 <p>The map shows Montreal Rd running diagonally from the bottom-left to the top-right. Key streets shown include North River Rd, Vanier Pkwy, Deschamps Ave, Marie Ave, Montfort St, Granville St, St Laurent Blvd, and Rue de l'Eglise. Other streets shown include Coady Ave, Laide St, Noma Ave, Fontaine Ave, and McArthur Ave.</p>	
<b>908141 ORAP Albert St-Bronson Ave-Slater St</b> <span style="float: right;"><b>Class of Estimate: B) Design</b></span> <span style="float: right;"><b>6,000</b></span>		
Category: Renewal of City Assets	Ward: 14	Year of Completion: 2024
<p>The existing combined sewers in Albert St (Bay-Empress), Slater St (Bay-Bronson), Bronson Ave (Laurier-Queen) and Queen St (Bay-Bronson) require reconstruction due to age, condition and to allow for combined sewer separation. Combined sewer separation reduces the potential for combined sewer overflows and basement flooding. The existing watermains require reconstruction due to age and the presence of lead services. Full road reconstruction including curbs and sidewalks, will be included. Enhancements with this project include the full road realignment of the Slater St ROW between Empress Ave and Bronson Ave. Enhancements also include cycle tracks on Albert (Empress-Bay), on Slater (Albert-Bay) and on Bronson (Queen-Commissioner). This funding request will provide for project related costs in advance of construction that may include but are not limited to property &amp; utility relocation. Construction funding will be a future budget request. Funding Request is comprised of: Roads - \$2.57M, Watermains - \$1.229M, Sanitary Sewers - \$947K and Storm Drainage - \$1.254M</p>	 <p>The map shows a grid of streets. Key streets shown include Empress Ave, Booth St, Let St, Fleet St, Bronson Ave, Queen St, Albert St, Slater St, Laurier Ave, Sparks St, Wellington St, Bay St, Lyon St, and Brichhill St.</p>	

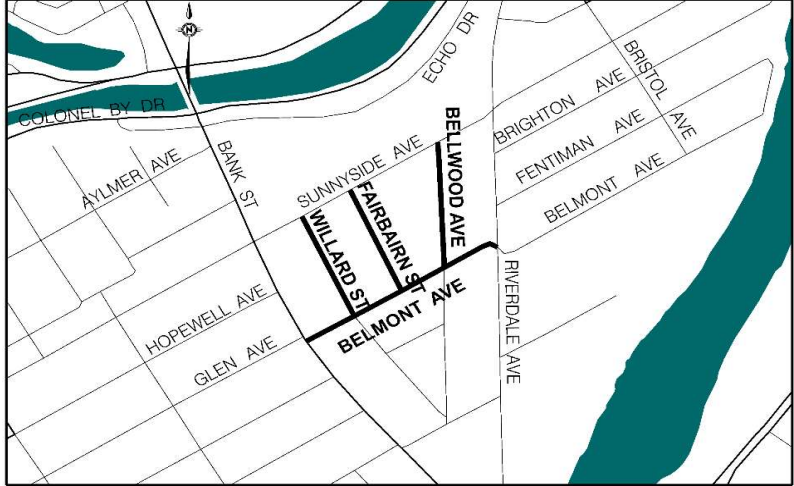
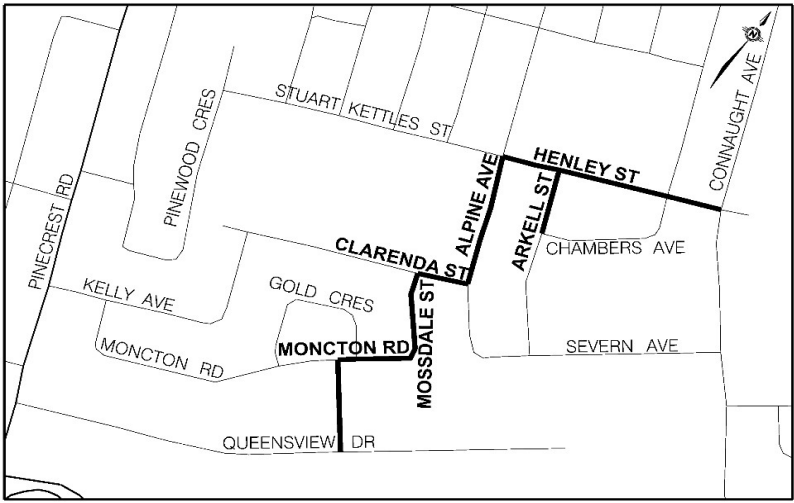
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Project(s) within a Program Information	Location/Description	\$000's
<b>908570 Byron-Athlone-Highcroft</b> <span style="float: right;"><b>Class of Estimate: B) Design</b></span> <span style="float: right;"><b>14,380</b></span>		
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2024
<p>This existing watermains in Byron Ave, Highcroft Ave and Athlone Ave require replacement due to age, a high break rate and the presence of lead services. The sanitary sewers in Byron Ave and Athlone Ave require replacement due to condition and age. The storm sewers do not require replacement unless impacted by the construction of adjacent infrastructure. Full road reconstruction will be included as required and trench reinstatement will be implemented where appropriate. Associated water and sewer services will be replaced to the property line. Road enhancements include a new cycle tracks on Byron Ave, a fully protected intersection at Tweedsmuir and a new sidewalk on Athlone Ave, as well as intersection enhancements at Byron Pl &amp; Byron Ave at an estimated cost of \$2.4M. Traffic safety improvements have been included at an estimated cost of \$2.4M. The funding is for all project related costs which may include but not limited to, construction and property acquisition. Contribution to public Art is \$89K. Funding Request is comprised of: Roads - \$5.903M, Watermains - \$3.72M, Sanitary Sewers - \$3.03M and Storm Drainage - \$1.727M</p>		
<b>910092 Breezehill Ave N (Gladstone - Somerset)</b> <span style="float: right;"><b>Class of Estimate: C) Planning</b></span> <span style="float: right;"><b>1,172</b></span>		
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2024
<p>The local sanitary sewer in Breezehill Ave (Gladstone to Somerset) requires replacement due to age and condition. The local watermain requires replacement due to age, condition and the presence of lead services. Storm sewer reconstruction will be included where required or impacted by adjacent construction. Full road reconstruction will be included as required and trench reinstatement will be implemented where appropriate. Associated water and sewer services will be replaced to the property line.</p> <p>The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Project Estimate is comprised of: Roads - \$235K, Watermains - \$351K, Sanitary Sewers - \$293K and Storm Drainage - \$293K</p>		

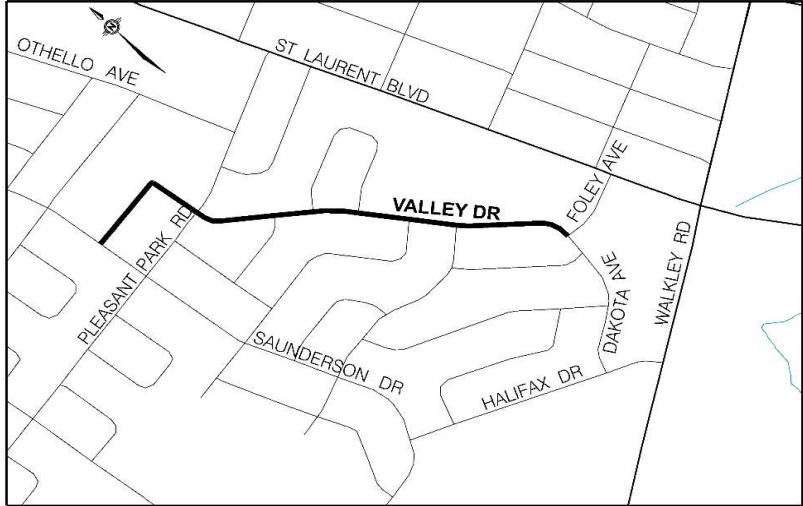
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Program Information		Financial Details																																																																		
<b>Integrated Road, Sewer &amp; Water Program</b>		<b>Class of Estimate: C) Planning</b>																																																																		
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various																																																																	
<p>The integrated rehabilitation projects include rehabilitation of more than one asset class: roads, sanitary sewers, storm drainage, and watermains, which are coordinated within a single project. The program is aimed at renewing and replacing infrastructure assets, in order to provide continued service and prevent failures.</p> <p>The program is comprised of:</p> <ul style="list-style-type: none"> <li>• Infrastructure assessment and data collection initiatives (flow monitoring, condition assessments etc.)</li> <li>• Project scoping and engineering</li> <li>• Functional and preliminary designs</li> <li>• Life-cycle renewal (renewal, rehabilitation and replacements for deterioration)</li> <li>• Coordinated renewal (schedule coordination (escalation or deferral) between asset classes and with other asset classes)</li> <li>• Level of service enhancements (flooding improvements and system optimization)</li> <li>• Enhancements coordinated with renewal (new cycling/sidewalks/streetscaping)</li> <li>• Upgrades and rehabilitation to support growth and miscellaneous localized repairs</li> </ul> <p>Detailed information and costs associated with specific components and projects are provided following this program summary.</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions.</p>		<table border="1"> <thead> <tr> <th>2021 Request</th> <th>84,375</th> <th colspan="3">Projected Yearend Unspent Bal.</th> <th>0</th> </tr> </thead> <tbody> <tr> <td>Revenues</td> <td>0</td> <td colspan="3">Debt</td> <td></td> </tr> <tr> <td>Tax Supported/ Dedicated</td> <td>40,363</td> <td>Tax Supported/ Dedicated Debt</td> <td colspan="2"></td> <td>5,675</td> </tr> <tr> <td>Rate Supported</td> <td>33,337</td> <td>Rate Supported Debt</td> <td colspan="2"></td> <td>5,000</td> </tr> <tr> <td>Develop. Charges</td> <td>0</td> <td>Develop. Charges Debt</td> <td colspan="2"></td> <td>0</td> </tr> <tr> <td>Gas Tax</td> <td>0</td> <td>Gas Tax Debt</td> <td colspan="2"></td> <td>0</td> </tr> <tr> <th>Forecast</th> <th>2021</th> <th>2022</th> <th>2023</th> <th colspan="2">2024</th> </tr> <tr> <td>Authority</td> <td>84,375</td> <td>99,821</td> <td>134,308</td> <td colspan="2">155,157</td> </tr> <tr> <td>Spending Plan</td> <td>42,094</td> <td>74,924</td> <td>101,548</td> <td colspan="2">143,370</td> </tr> <tr> <td>FTE's</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="2">0</td> </tr> <tr> <td>Operating Impact</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="2">0</td> </tr> </tbody> </table>	2021 Request	84,375	Projected Yearend Unspent Bal.			0	Revenues	0	Debt				Tax Supported/ Dedicated	40,363	Tax Supported/ Dedicated Debt			5,675	Rate Supported	33,337	Rate Supported Debt			5,000	Develop. Charges	0	Develop. Charges Debt			0	Gas Tax	0	Gas Tax Debt			0	Forecast	2021	2022	2023	2024		Authority	84,375	99,821	134,308	155,157		Spending Plan	42,094	74,924	101,548	143,370		FTE's	0	0	0	0		Operating Impact	0	0	0	0	
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<b>908572 Fairbairn-Bellwood-Willard-Belmont</b>		<b>Class of Estimate: A) Pre-Tender</b>	<b>1,339</b>
Category: Renewal of City Assets	Ward: 17	Year of Completion: 2021	
<p>The sanitary sewers in Fairbairn St, Bellwood Ave, Willard St and Belmont Ave require replacement due to age and condition. The watermains require replacement due to age and the presence of lead services. The storm sewers in Fairbairn St from Sunnyside Ave to Belmont Ave require replacement due to condition. Full road reconstruction including curbs and sidewalks will be included as well as water and sewer services to the property line. Traffic Safety improvements were included at an estimated cost of \$420K. Construction of this project was initiated in 2020, this authority request provides the additional funding required for the phase 2 portion of the project. The funding is for all project related costs which may include but not limited to construction and property acquisition. Funding Request is comprised of: Roads - \$390K, Watermains - \$325K, Sanitary Sewers - \$432K and Storm Drainage - \$192K</p> <p>New year of completion is 2023.</p>			
<b>908580 CWWF Queensway Terrace North Sewer</b>		<b>Class of Estimate: B) Design</b>	<b>3,037</b>
Category: Renewal of City Assets	Ward: 7	Year of Completion: 2023	
<p>Reconstruction of the Queensway Terrace North trunk storm sewer is required due to condition. The storm sewer runs primarily along local streets. A portion of the sewer that runs between homes will be re-aligned within the right of way. Localized sanitary sewer, watermain and road reconstruction will be included in locations impacted by the storm sewer construction. The funding is for all project related costs which may include but not limited to construction and utility relocation.</p> <p>Funding Request is comprised of: Roads - \$101K, Watermains - \$165K, Sanitary Sewers - \$278K and Storm Drainage - \$2.493M</p>			

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Project(s) within a Program Information		Location/Description	\$000's
<b>908581 Valley Dr Storm Sewer</b>		<b>Class of Estimate: B) Design</b>	<b>3,885</b>
Category: Renewal of City Assets	Ward: 18	Year of Completion: 2021	
<p>The Valley Dr trunk storm sewer is in need of rehabilitation due to poor condition and inadequate hydraulic capacity. The adjacent sanitary sewer and watermains will also be replaced. The project includes full road and curb reconstruction. Enhancements include a new sidewalk on Valley Dr from Pleasant Park Rd to Foley Ave (660m) at an estimated cost of \$150k. Traffic safety improvements have been included at an estimated cost of \$30K. The funding is for all project related costs which may include but not limited to construction, utility relocation.</p> <p>The 2021 authority will provide for the construction of phase 1b which includes Valley Dr from Foley Ave to Weston Park.</p> <p>The new year of completion is 2024.</p> <p>Funding Request is comprised of: Roads - \$156K, Watermains - \$212K, Sanitary Sewers - \$433K and Storm Drainage - \$3.084M</p>			

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Project(s) within a Program Information			\$000's
<b>908998</b>	<b>LRT2 R2 Hwy 174 Resurfacing EBL</b>	<b>Class of Estimate: C) Planning</b>	<b>723</b>
Category: Renewal of City Assets	Ward: 1,2,11	Year of Completion: 2021	
<p>This project is related to the design of Hwy 174 Mainline road resurfacing east bound lane (EBL), as part of LRT2 works.</p> <p>New year of completion is 2024.</p>			



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Project(s) within a Program Information		Location/Description	\$000's
<b>909394 Arch - Canterbury - Plesser</b>		<b>Class of Estimate: B) Design</b>	<b>10,777</b>
Category: Renewal of City Assets	Ward: 18	Year of Completion: 2023	
<p>The existing sanitary and storm sewers in Arch St, Canterbury Ave, and Plesser St require rehabilitation due to condition, to reduce the risk of basement flooding or where impacted by adjacent construction. The watermains require replacement due to their age and the proximity to the sanitary sewer. Full road reconstruction including curbs and sidewalks will be included as required and trench reinstatement will be implemented where appropriate. Water and sewer services impacted by construction will be replaced to the property line. Transportation enhancements with this project include cycle tracks and new sidewalks on Canterbury Ave, a new MUP on Arch St and a new sidewalk on Plesser St at an estimated cost of \$1.7M. Traffic safety improvements include raised intersections, speed humps, PXO's as well as roadway narrowings at an estimated cost of \$575k. The funding is for all project related costs which may include design, construction and property acquisition. The contribution to public art is \$76K.</p> <p>Funding Request is comprised of: Roads - \$3.084M, Watermains - \$1.285M, Sanitary Sewers - \$1.285M and Storm Drainage - \$5.123M</p>			
<b>909400 Bel-Air Dr, Bedbrooke St</b>		<b>Class of Estimate: B) Design</b>	<b>12,779</b>
Category: Renewal of City Assets	Ward: 8	Year of Completion: 2023	
<p>The existing sanitary sewers in Bedbrooke St, Bel-Air Dr, Iris St and Field St require rehabilitation to improve the level of service and to reduce the risk of basement flooding. The watermains require replacement due to their proximity to the sanitary sewer. Localized sections of storm sewer will be replaced due to condition or where impacted by adjacent construction. Full road reconstruction including curbs and sidewalks will be included as required and trench reinstatement will be implemented where appropriate. Water and sewer services impacted by construction will be replaced to the property line. Transportation enhancements including new sidewalks on Bedbrooke and Bel-Air (Field to Checkers) are included at an estimated cost of \$305k. Traffic safety improvements are included at an estimated cost of \$170k. The funding request will provide for all project related costs which may include but not limited to construction and property acquisition. The contribution to public art is \$85k.</p> <p>Funding Request is comprised of: Roads - \$2.338M, Watermains - \$4.447M, Sanitary Sewers - \$4.967M and Storm Drainage - \$1.027M</p>			

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Project(s) within a Program Information			Location/Description	\$000's
<b>909401 Broadview Ave</b>			<b>Class of Estimate: C) Planning</b>	<b>927</b>
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2025		
<p>The existing watermain and sanitary sewers in Broadview Ave from Byron Ave to 165m south of Byron require replacement due to age, condition and the presence of lead water services. The storm sewers do not require replacement unless impacted by the construction of adjacent infrastructure. Full road reconstruction will be included as well as sewer and water services will be replaced to the property line. Traffic Safety improvements are included at an estimated cost of \$30K.</p> <p>The funding request will provide for all project related costs which may include but not limited to construction and property acquisition.</p> <p>Funding Request is comprised of: Roads - \$221K, Watermains - \$406K, Sanitary Sewers - \$300K and Storm Drainage - \$0</p>				

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Project(s) within a Program Information			\$000's
<b>910045</b>	<b>2021 Surveys &amp; Mapping</b>	<b>Class of Estimate: C) Planning</b>	<b>320</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This program funds the acquisition and processing of aerial photography and base topographic mapping, and LiDar data collection. This information is a foundation and a prerequisite for engineering design and construction, utility inventory, and land use planning. Mapping is a critical component of the corporate MAP/GIS system and must be maintained on a continuing basis, ensuring the enterprise database is current. This information is used extensively by the general public through the ottawa.ca website and should reflect existing conditions.</p> <p>Total project estimate is comprised of: Roads - \$80K, Sanitary Sewers - \$80K, Storm Drainage - \$80K and Watermains - \$80K.</p>			
<b>910088</b>	<b>2021 Infrastructure Assess &amp; Data Collec</b>	<b>Class of Estimate: C) Planning</b>	<b>340</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project is related to performance monitoring, condition assessment, and support initiatives for the City's existing linear and building and parks asset portfolios. Funding provides for testing, network level data collection, species at risk screening, and miscellaneous soil evaluations.</p> <p>Project estimate is comprised of: Roads - \$85K, Watermains \$85K, Sanitary Sewers - \$85K and Storm Drainage - \$85K.</p>			
<b>910089</b>	<b>2021 Integrated Scoping Pre/Post Eng</b>	<b>Class of Estimate: C) Planning</b>	<b>1,000</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>The scoping pre/post funding allows for pre-engineering and design assignments to be initiated for construction and may also allow for supplemental funding to existing projects. As well as the funding to address adjustments required beyond the project's completion.</p> <p>Project estimate is comprised of: Roads - \$150K, Watermains \$360K, Sanitary Sewers - \$240K and Storm Drainage - \$250K.</p>			

# City of Ottawa

## 2021 Draft Capital Budget

In Thousands (\$000)

Project Information		Location/Description	\$000's
<b>910090 2021 Road Resurfacing - CW</b>		<b>Class of Estimate: C) Planning</b>	<b>36,890</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>Road resurfacing provides for annual resurfacing and rehabilitation of the City's roadway network. It is required to extend the life of the infrastructure and prevent roadway failures requiring more extensive reconstruction. The resurfacing program includes enhancements of \$950K for new paved shoulders and \$50K for renewal of existing paved shoulders.</p>			
Ward	Location	Description	
CW	SELECTIVE RESURFACING	LOCATIONS TO BE DETERMINED	
CW	SLOPE STABILITY	LOCATIONS TO BE DETERMINED	
20	GREGOIRE RD (OR 41)	CARLETON CORNER LN To MARVELVILLE RD (OR 4)	
16	RIVERSIDE DR (OR 19)	WALKLEY RD To 267 M NORTH OF RIDGEWOOD AV	
1	OR 174 EB OFF RAMP (IC 105 RAMP 52)	OR 174 EB OFF RAMP (IC 105 RAMP 51) To JEANNE D'ARC BLVD (OR 55)	
1	OR 174 EB OFF RAMP(IC 105 RAMPS	OR 174 EB To JEANNE D'ARC BLVD (OR 55) SOUTHBOUND	
8	WOODROFFE AV (OR 15)	NORICE ST To PARKGLEN DR	
14	METCALFE ST (OR 89)	ISABELLA ST (OR 62) To WELLINGTON ST (OR 36)	
14	MCLEOD (OR 89)	O'CONNOR ST (OR 87) To METCALFE ST (OR 89)	
12, 13	VANIER PARKWAY (OR 19)	HIGHWAY 417 To MCARTHUR AV (OR 68)	
15;16	CARLING AV (OR 38)	MERIVALE RD (OR 63) To MELROSE AV	
8,9	MERIVALE RD (OR 17)	SLACK RD To VIEWMOUNT DR	
11	INNES RD (OR 30)	EAST LIMIT OF HIGHWAY 417 OVERPASS To BLACKBURN HAMLET BY-PASS	
18	KILBORN AV	UTAH ST To ALTA VISTA DR	
23	CASTLEFRANK RD	HAZELDEAN RD (OR 36) To TORCASTLE WAY SOUTH	
1	ST. GEORGES ST	DES EPINETTES AV to GALLOWAY DR	
20	BLANCHFIELD RD	SNAKE ISLAND RD to STAGECOACH RD	
13	MACKAY ST	DUFFERIN RD To BEECHWOOD AV (OR 44)	
5	THOMAS A DOLAN PKWY	DUNROBIN RD (OR 9) To SIXTH LINE RD (OR 21)	
21	BANKFIELD RD (OR 8)	380 M EAST OF FIRST LINE RD To RIDEAU VALLEY DR (OR 13)	
21	FEE ST	BANKFIELD RD To CUL-DE-SAC	
19	COLONIAL RD (OR 28)	MONSEIGNEUR DENIS CT To CANAAN RD	
20	PARKWAY RD	9TH LINE RD To YORKS CORNERS RD	

**City of Ottawa**  
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In Thousands (\$000)

Project Information		Location/Description	\$000's
Category:		Ward:	
		Year of Completion:	
Road Resurfacing - Continued			
Ward	Location	Description	
3, 9	FALLOWFIELD RD (OR 12)	SOUTHWEST TRANSITWAY To WOODROFFE AV (OR 15)	
9	WEST HUNT CLUB RD (OR 32)	MERIVALE RD (OR 32) To ANTARES DR	
11	QUINCY AV	KAYMAR DR To OGILVIE RD	
15	RICHMOND RD (OR 36)	CLEARY AV To BROADVIEW AV	
20	RIVER RD (OR 19)	FLAG STATION RD To MITCH OWENS RD (OR 8)	
2	JEANNE D'ARC BLVD	BOYER RD To MONTCERF CT	
7	CARLING AV (OR 38)	ALPINE ST To FOREST RD	
12	DALHOUSIE ST	ST. PATRICK ST (OR 44) To GUIGUES ST	
12	ST. PATRICK ST (OR 44)	CUMBERLAND ST To DALHOUSIE ST	
12	ST. PATRICK ST (OR 44) WESTBOUND	145 M EAST OF KING EDWARD AV To KING EDWARD AV	
12	ST. PATRICK ST (OR 44) WB LEFT LANE	25 M WEST OF KING EDWARD AV To CUMBERLAND ST	
12	KING EDWARD AV (OR 99)	AT ST. ANDREW ST INTERSECTION	
18	TERMINAL AV (DISCONTINUOUS)	TRAINYARDS DR to 150M WEST OF TRAINYARDS DR	
20	HAWTHORNE RD	250 M SOUTH OF LEITRIM RD (OR 14) To 250 M NORTH OF LEITRIM RD (OR	
21	BARNSDALE RD	MCLEAN CR ( AT BRIDGE) To RIDEAU VALLEY DR (OR 13)	
20	BLAIS RD	1130 M EAST OF BANK ST (OR 31)	
20	BANK ST (OR 31)	SNAKE ISLAND RD/VICTORIA ST (OR 6) To MITCH OWENS RD (OR 8)	
16	HUNT CLUB RD (OR 32) WESTBOUND	PAUL ANKA DR To AIRPORT PARKWAY	
	Below the Line		
Ward	Location	Description	
2, 19	NAVAN RD (OR 28)	1130 m W of MER BLEUE RD To TRIM RD	
19	FRANK KENNY RD	ROCKDALE RD (OR 33) To RUSSELL RD (OR 26)	

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In Thousands (\$000)

Project Information		Location/Description	\$000's
Category:		Ward:	
		Year of Completion:	
Road Resurfacing - Below the Line - Continued			
Ward	Location	Description	
7	RICHMOND RD (OR 36)	BAYSHORE DR To PINECREST RD (OR 13)	
15,16	KIRKWOOD AV (OR 67)	MERIVALE RD (OR 63) To LAPERRIERE AV	
16	MEADOWLANDS DR	FISHER AV (OR 69) To PRINCE OF WALES DR (OR 73)	
20	PARKWAY RD	YORKS CORNERS RD To BOUNDARY RD (OR 41)	
21	MANSFIELD RD	CONNELY RD To HUNTLEY RD	
20	GREY'S CREEK RD	300 M SOUTH OF SNAKE ISLAND RD (OR 6) To BANK ST (OR 31)	
4	HELMSDALE DR	TERRY FOX DR To SHIRLEY'S BROOK DR (NORTH)	
19	CANAAN RD	OR 174 To 1.43 km N OF ETIENNE (END ASPHALT)	
14	CATHERINE ST (OR 60)	ELGIN ST (OR 91) To BRONSON AV (OR 79)	
4, 23	TERRY FOX DR	HIGHWAY 417 S-E RAMP 25 To 130 M SOUTH OF DIDSBURY RD	
21	MANOTICK MAIN ST	ISLAND VIEW DR To 180 M NORTH OF EASTMAN AV	
13	SPRINGFIELD RD	BEECHWOOD AV (OR 44) To MAPLE LANE	
23	KAKULU RD	CASTLEFRANK RD To EAGLESON RD (OR 49)	
23	ANIK WAY	CHIMO DR To KAKULU RD	
23	MARCASITE RD (formerly OAKVIEW RD)	DEAD END To BELLEVIEW DR	
23	PINEVIEW RD	VANSTONE DR To BELLEVIEW DR	
23	BELLEVIEW DR	VANSTONE DR To PICKFORD DR	
23	VANSTONE DR	MARCASITE RD (formerly OAKVIEW RD) To KAKULU RD	
23	IRWIN GT	HAZELDEAN RD (OR 36) To PICKFORD DR	
17	OLD RIVERSIDE DR	SOUTH CUL-DE-SAC (SOUTH OF FROBISHER LANE) To NORTH CUL-DE-SAC	
6	ABBOTT ST	IBER RD To STITTSVILLE MAIN ST (OR 5)	
10	CONROY RD (OR 125)	BRADDISH ST To HUNT CLUB RD (OR 32)	
5	UPPER DWYER HILL RD (OR 3)	MARCH RD (OR 49) (HWY 44) To GRAINGER PARK RD	
9	MAJESTIC DR	NEWHAVEN ST To SHERRY LN (WEST)	

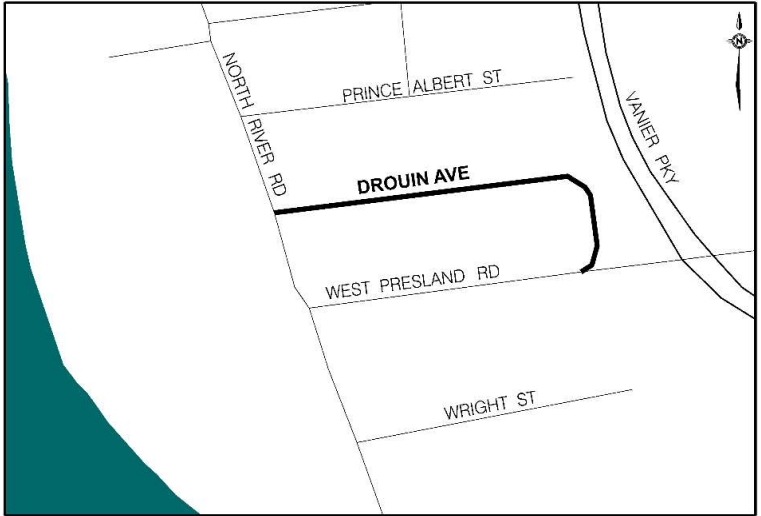
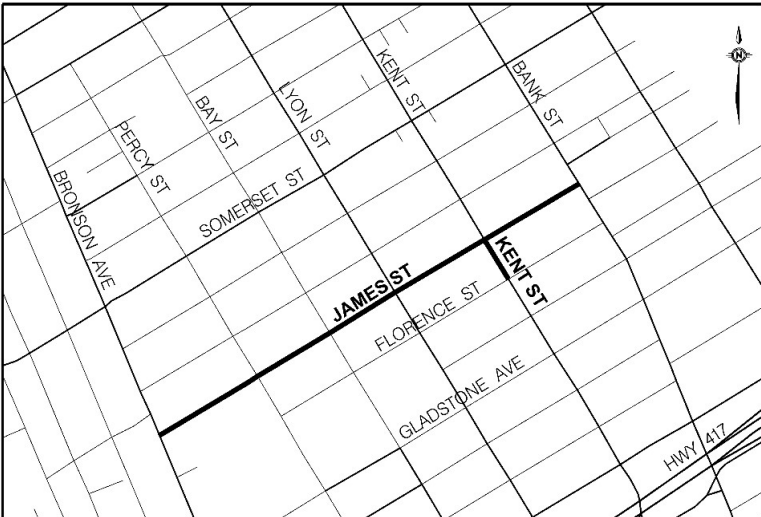


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**In Thousands (\$000)**

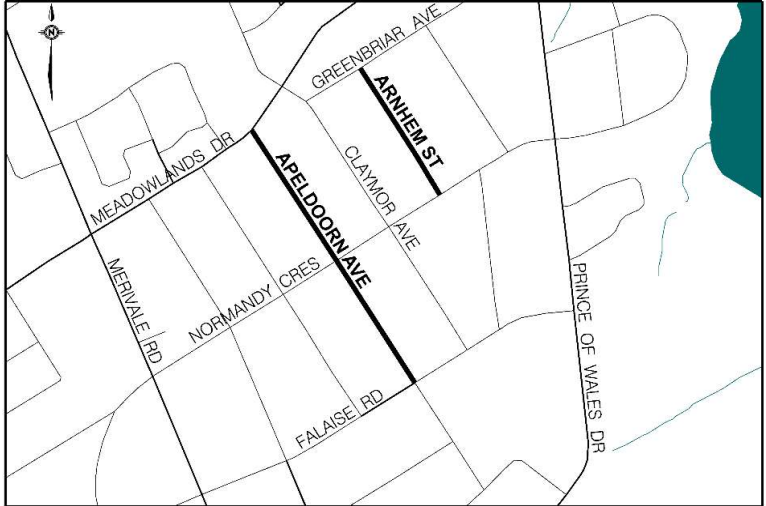
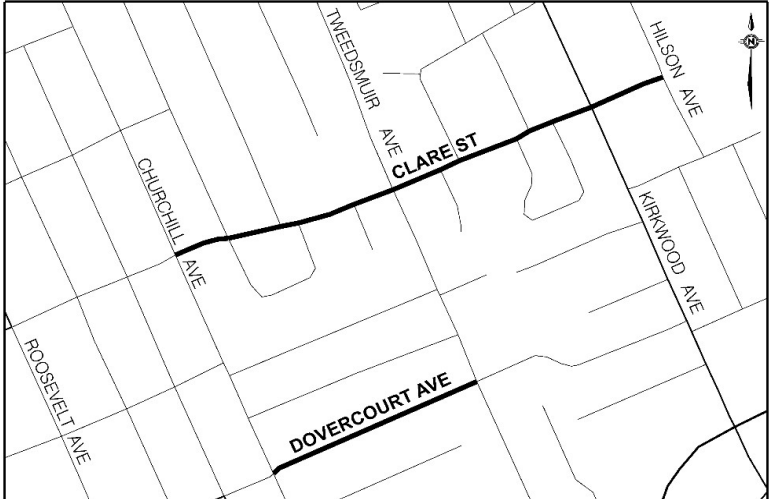
Project(s) within a Program Information			\$000's
<b>910091</b>	<b>2021 Comprehensive Asset Management</b>	<b>Class of Estimate: C) Planning</b>	<b>360</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>The Comprehensive Asset Management Program is aimed at providing the funding necessary to support the development of the City of Ottawa strategy for asset management which will set out the long term optimized approach to managing assets, derived from, and consistent with the Corporate Strategy. It is the coordinating mechanism for ensuring that activities carried out on physical assets are aligned to optimally achieve the City's Strategic Plan and legislated requirements. A comprehensive asset management process will equip Council and Executive Committee with clear and well documented customer service levels, a clear understanding of the state of the City's physical assets, the required information to link infrastructure investments and customer outcomes and a robust process to allocate investments levels between competing priorities.</p> <p>Project estimate is comprised of: Roads - \$90K, Watermains \$90K, Sanitary Sewers - \$90K and Storm Drainage - \$90K.</p>			



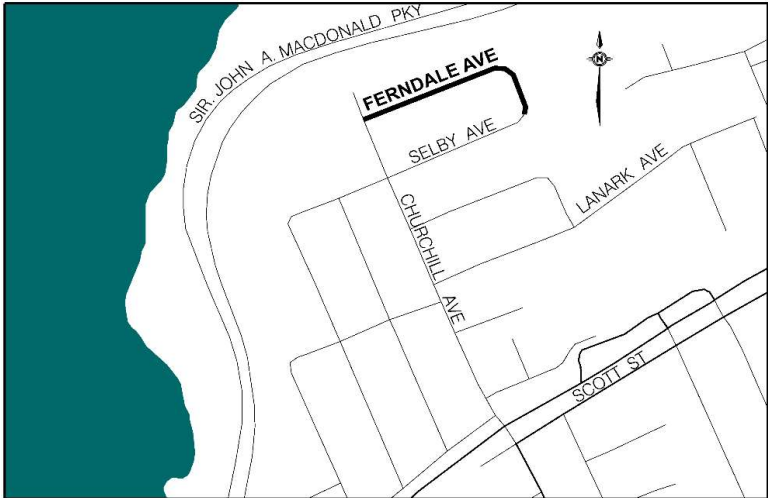
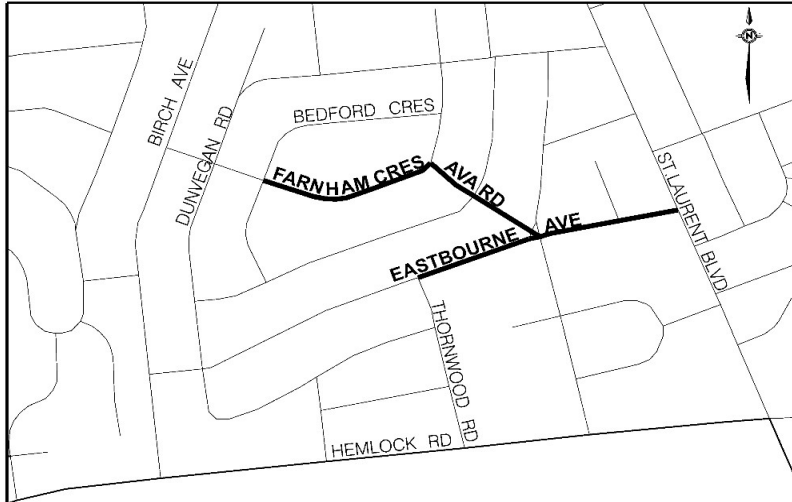
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Project(s) within a Program Information		Location/Description	\$000's
<b>910105 Drouin Ave (North River - West Presland)</b>		<b>Class of Estimate: C) Planning</b>	<b>684</b>
Category: Renewal of City Assets	Ward: 13	Year of Completion: 2024	
<p>The sanitary sewer in Drouin requires replacement due to condition. The watermain requires replacement due to condition and the presence of lead services. Storm sewer reconstruction will be included where required or impacted by adjacent construction. The project will include full road reconstruction as well as sewer and watermain services to the property line.</p> <p>The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$137K, Watermains - \$205K, Sanitary Sewers - \$171K and Storm Drainage - \$171K</p>			
<b>910106 James St Kent St (Bronson - Bank)</b>		<b>Class of Estimate: C) Planning</b>	<b>2,445</b>
Category: Renewal of City Assets	Ward: 14	Year of Completion: 2024	
<p>The combined sewer in James St from Bronson Ave to Bank St and Kent St from James Ave to Florence St requires replacement due to condition and to improve the level of service. Localized sections of watermain will be replaced due to condition, the presence of lead services or if impacted by adjacent construction. Full road reconstruction including curbs and sidewalks will be included as required and trench reinstatement will be implemented where appropriate. Water and sewer services impacted by construction will be replaced to the property line.</p> <p>The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$856K, Watermains - \$244K, Sanitary Sewers - \$1.345M and Storm Drainage - \$0</p>			

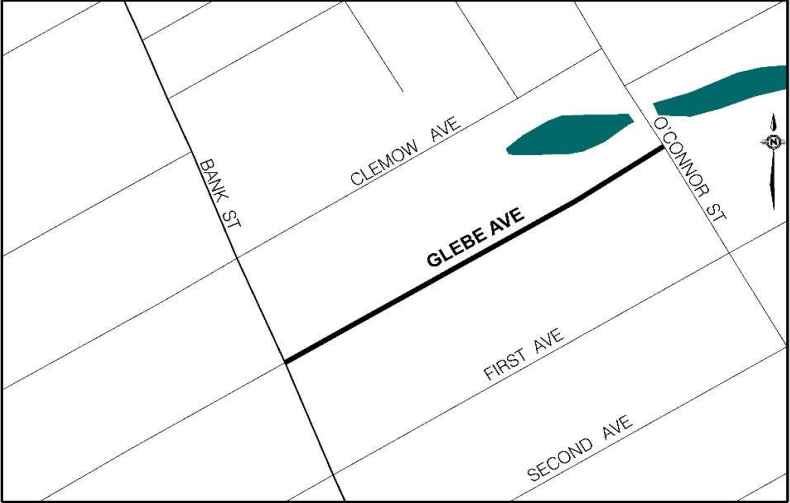
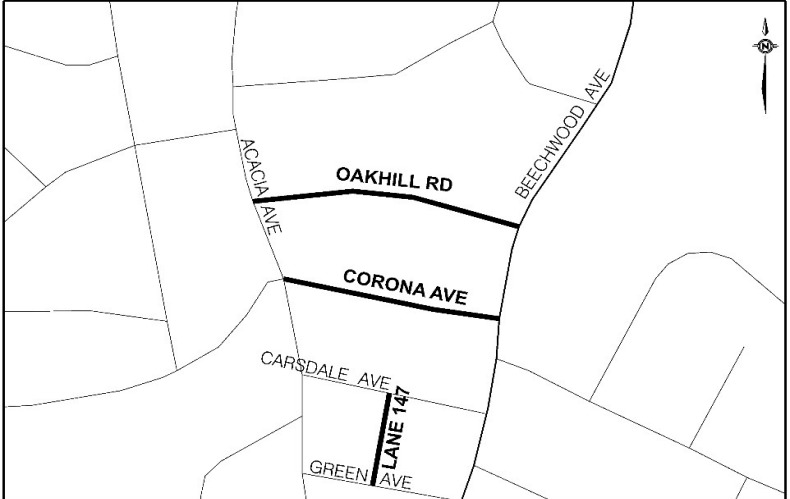
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**In Thousands (\$000)**

Project(s) within a Program Information	Location/Description	\$000's
<b>910107 Arnhem St and Apeldoorn Ave</b> <span style="float: right;"><b>Class of Estimate: C) Planning</b></span> <span style="float: right;"><b>1,588</b></span>		
Category: Renewal of City Assets	Ward: 16	Year of Completion: 2024
<p>The sanitary sewer in Arnhem St from Greenbriar Ave to Normandy Cres &amp; Apeldorn Ave from Meadowlands Dr to Falaise Rd requires replacement due to condition. The watermain requires replacement due to condition and the presence of lead services. Storm sewer reconstruction will be included where required or impacted by adjacent construction. The project will include full road reconstruction as well as sewer and watermain services to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$317K, Watermains - \$477K, Sanitary Sewers - \$397K and Storm Drainage - \$397K</p>		
<b>910108 Clare Dovercourt (Chruchill - Hilson &amp; Tweedsmuir)</b> <span style="float: right;"><b>Class of Estimate: C) Planning</b></span> <span style="float: right;"><b>2,180</b></span>		
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2024
<p>The sanitary sewer in Clare St from Churchill Ave to Hilson Ave &amp; Dovercourt Ave from Churchill Ave to Tweedsmuir Ave requires replacement due to age and condition. The watermain requires replacement due to age, condition and the presence of lead services. Storm sewer reconstruction will be included where required or impacted by adjacent construction. The project will include full road reconstruction as well as sewer and watermain services to the property line.</p> <p>The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$436K, Watermains - \$654K, Sanitary Sewers - \$545K and Storm Drainage - \$545K</p>		

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Project(s) within a Program Information	Location/Description	\$000's
<b>910109 Ferndale Ave (Churchill Ave N - Selby Ave)</b>		<b>Class of Estimate: C) Planning 731</b>
Category: Renewal of City Assets	Ward: 15	Year of Completion: 2024
<p>The existing sanitary sewer in Ferndale Ave requires rehabilitation due to condition and to reduce the risk of basement flooding. The watermains require replacement due to their age and the proximity to the sanitary sewer. The existing storm sewer will be extended east to allow for the disconnection of weeping tiles from the sanitary sewer. Also included with this project will be the formal abandonment of a sanitary sewer located in greenspace owned by the NCC that extends from north of Churchill Ave to Pontiac St. Full road reconstruction including curbs and sidewalks will be included as required and trench reinstatement will be implemented where appropriate. Water and sewer services impacted by construction will be replaced to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$146K, Watermains - \$219K, Sanitary Sewers - \$183K and Storm Drainage - \$183K</p>		
<b>910110 Farnham, Eastbourne and Ava</b>		<b>Class of Estimate: C) Planning 1,615</b>
Category: Renewal of City Assets	Ward: 13	Year of Completion: 2024
<p>The existing combined sewers in Farnham Cres, Eastbourne Ave and Ava Rd require reconstruction due to age, condition and to allow for sewer separation. Combined sewer separation reduces the potential for combined sewer overflows (CSO) to the river. The watermains require replacement due to their age and lead services. Full road reconstruction including curbs and sidewalks will be included as required and trench reinstatement will be implemented where appropriate. Water and sewer services impacted by construction will be replaced to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$323K, Watermains - \$484K, Sanitary Sewers - \$404K and Storm Drainage - \$404K</p>		

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Project(s) within a Program Information	Location/Description	\$000's
<b>910111 Glebe (Bank - O'Connor)</b>		<b>Class of Estimate: C) Planning</b> <b>751</b>
Category: Renewal of City Assets	Ward: 17	Year of Completion: 2024
<p>The sanitary sewer in Glebe Ave from Bank St to O'Connor St requires replacement due to age and condition. The watermain requires replacement due to age, condition and the presence of lead services. Storm sewer reconstruction will be included where required or impacted by adjacent construction. The project will include full road reconstruction as well as sewer and watermain services to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$150K, Watermains - \$225K, Sanitary Sewers - \$188K and Storm Drainage - \$188K</p>		
<b>910112 Oakhill and Corona (Acaia - Beechwood)</b>		<b>Class of Estimate: C) Planning</b> <b>732</b>
Category: Renewal of City Assets	Ward: 12, 13	Year of Completion: 2024
<p>The combined sewers in Oakhill Rd and Corona Ave require replacement due to age and condition. The watermain in Oakhill Rd requires replacement due to age and the presence of lead services. The watermain in Corona Ave will not be reconstructed unless impacted by adjacent construction. The project will include full road reconstruction of Corona Ave, Oakhill Rd as well as the lane between Carsdale and Green Ave. Sewer and watermain services will be replaced to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$147K, Watermains - \$219K, Sanitary Sewers - \$183K and Storm Drainage - \$183K</p>		

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Project(s) within a Program Information		Location/Description	\$000's
<b>910113 Summit Ave (Alta Vista - Fairbanks)</b>		<b>Class of Estimate: C) Planning</b>	<b>1,272</b>
Category: Renewal of City Assets	Ward: 18	Year of Completion: 2024	
<p>The sanitary sewer in Summit Ave from Alta Vista Dr to Fairbanks Ave requires replacement due to condition. The watermain requires replacement due to age, the presence of lead services and where impacted by adjacent construction. Storm sewer reconstruction will be included where required or impacted by adjacent construction. The project will include full road reconstruction as well as sewer and watermain services to the property line. The funding request will initiate the design phase and provide for all project related costs which may include but not limited to property acquisition.</p> <p>Funding Request is comprised of: Roads - \$254K, Watermains - \$382K, Sanitary Sewers - \$318K and Storm Drainage - \$318K</p>			

City of Ottawa  
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 Transportation Committee  
 In Thousands (\$000)

Service Area: Transit Services											
Category	2021 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	760	0	760	0	0	0	0	0	0	0	0
Growth	29,550	0	6,888	0	19,797	0	2,865	0	0	0	2,865
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Service Enhancements	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>30,310</b>	<b>0</b>	<b>7,648</b>	<b>0</b>	<b>19,797</b>	<b>0</b>	<b>2,865</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,865</b>

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

Project Information			Financial Details					
<b>910179 2021 TMP Studies</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023					
<p>This funding supports the development and update of the City's long term transportation plans and policies. Funds are used to conduct background studies on relevant issues, acquire and analyze transportation data, develop policies and guidelines in accordance with Transportation Master Plan (TMP) objectives, monitor transportation trends, and other related tasks. The focus for 2021 is expected to include a review of transportation performance metrics, development of a "cost of travel" calculator, assessment of the potential long-term implications of COVID-19 on transportation needs, and development of strategies for planning in an uncertain environment through scenario analysis and other techniques.</p>			<b>2021 Request</b>	<b>760</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	760	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	760	785	822	848	
			Spending Plan	190	538	787	817	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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**In Thousands (\$000)**

Project Information		Financial Details		
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<b>907436 Baseline Rd BRT (Baseline Stn-Heron Stn)</b>		<b>Class of Estimate: C) Planning</b>		
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Dept: Transportation Services Department	Category: Growth	Ward 8,9,16,17	Year of Completion: 2022	
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The Baseline Bus Rapid Transit (BRT) project will connect Ottawa's existing and planned Transitway and the O-Train network. It travels along the Richmond-Baseline-Heron corridor (14 km) and will provide a cross-town transit facility that bypasses the downtown. Phase 1 (Baseline Station to Heron Station) of the Baseline BRT project is approximately 7.5 km. The Recommended Plan incorporates all elements of a complete street including median bus lanes, 14 new transit stations, two-lanes for general traffic in each direction, new sidewalks and cycle tracks/Multi-Use Pathway along the corridor. It will improve transit travel time, reliability, and safety for all modes. Funding for refinement of right of way requirements and preparatory work in preparation of possible stimulus funding. This project will proceed only when Federal and/or Provincial funding has been secured.

<b>2021 Request</b>	<b>2,400</b>	Projected Yearend Unspent Bal.		6,000
Revenues	0	Debt		
Tax Supported/ Dedicated	792	Tax Supported/ Dedicated Debt	0	
Rate Supported	0	Rate Supported Debt	0	
Develop. Charges	1,608	Develop. Charges Debt	0	
Gas Tax	0	Gas Tax Debt	0	
<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Authority	2,400	30,587	30,745	31,251
Spending Plan	840	6,419	18,669	28,498
FTE's	0	0	0	0
Operating Impact	0	0	0	389





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Project Information			Financial Details								
<b>910181 2021 TMP Transit Priority Network</b>			<b>Class of Estimate: C) Planning</b>								
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023								
<p>These projects include road changes and traffic engineering strategies that provide preferential treatment for buses on the City's road network, to improve the speed and reliability of transit service and to reduce operating costs. Locations for improvement are approved in the City's Transportation Master Plan (TMP) or are selected based on operating experience and other transit planning investigations as they arise. Part of this funding will be used for the design of the Blair Road widening for bus only and high occupancy vehicle lanes (Blair Station to Innes Road). The remaining funds will be allocated for construction of the Baseline Transit Priority Measures (Bayshore Station to Baseline Station) with future funding needed to fully fund construction.</p>			<b>2021 Request</b>		22,500		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/Dedicated		4,560		Tax Supported/Dedicated Debt		2,865		
			Rate Supported		0		Rate Supported Debt		0		
			Develop. Charges		15,075		Develop. Charges Debt		0		
			Gas Tax		0		Gas Tax Debt		0		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		22,500		17,710		26,439		26,961
			Spending Plan		4,500		12,542		16,872		24,010
			FTE's		0		0		0		0
Operating Impact		0		100		150		150			
<b>910182 2021 Park and Ride Facilities</b>			<b>Class of Estimate: C) Planning</b>								
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023								
<p>This funding supports planning, design, and implementation of multi-modal access to existing and future higher order transit stations. The program focuses on increasing the capacity of existing Park and Ride (P&amp;R) lots, design and construction of new lots, and improving multi-modal access to transit stations. The planned P&amp;R sites are in various stages of conceptual, preliminary and detailed design, and construction. The 2021 program will primarily focus on potential property purchases for future P&amp;R lots in the urban communities outside of the Greenbelt.</p>			<b>2021 Request</b>		1,730		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/Dedicated		571		Tax Supported/Dedicated Debt		0		
			Rate Supported		0		Rate Supported Debt		0		
			Develop. Charges		1,159		Develop. Charges Debt		0		
			Gas Tax		0		Gas Tax Debt		0		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		1,730		1,794		1,862		1,941
			Spending Plan		173		1,390		1,615		1,850
			FTE's		0		0		0		0
Operating Impact		0		0		69		70			

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In Thousands (\$000)

Project Information			Financial Details						
<b>910183 2021 Transit Corridor Protection</b>			<b>Class of Estimate: C) Planning</b>						
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023						
<p>This funding supports the purchase of strategic property parcels, as they become available, to protect future transportation corridors and facilities for rapid transit (bus or light rail), stations, park and rides, roads, and pathways for pedestrians and cyclists. Although the opportunity to protect future corridors and facilities is achieved by land dedication as a condition of development, it may be necessary to acquire select properties in critical areas to maintain corridor integrity. Included in this corridor protection strategy is the acquisition of surplus railway rights-of-way and selected utility corridors that become available, subject to program funding.</p>			<b>2021 Request</b>		1,840		Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt		
			Tax Supported/ Dedicated		607		Tax Supported/ Dedicated Debt		0
			Rate Supported		0		Rate Supported Debt		0
			Develop. Charges		1,233		Develop. Charges Debt		0
			Gas Tax		0		Gas Tax Debt		0
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		1,840	1,907	1,987	2,058	
			Spending Plan		184	375	573	1,883	
			FTE's		0	0	0	0	
Operating Impact		0	0	0	0				
<b>910184 2021 Rapid Transit EA Studies</b>			<b>Class of Estimate: C) Planning</b>						
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023						
<p>Transitway infrastructure projects undertaken by a municipality are subject to the requirements of the Ontario Environmental Assessment (EA) Act, and specifically the Ontario Regulation 231/08. Funding will be used for EA studies in accordance with the timing of infrastructure (rapid transit as well as major transit priority projects) identified in the City's Transportation Master Plan; potential scope changes of current studies; and, other transit planning investigations as they arise. An upcoming study would be for St. Laurent Boulevard, south of Innes Road.</p>			<b>2021 Request</b>		1,080		Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt		
			Tax Supported/ Dedicated		358		Tax Supported/ Dedicated Debt		0
			Rate Supported		0		Rate Supported Debt		0
			Develop. Charges		722		Develop. Charges Debt		0
			Gas Tax		0		Gas Tax Debt		0
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		1,080	1,122	1,165	1,209	
			Spending Plan		540	993	1,085	1,181	
			FTE's		0	0	0	0	
Operating Impact		0	0	0	0				

City of Ottawa  
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Service Area: Transportation Services											
Category	2021 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	53,701	0	28,786	0	0	0	24,915	0	0	0	31,115
Growth	79,289	0	10,493	0	55,954	0	3,657	0	9,185	0	12,842
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Service Enhancements	6,052	0	6,052	0	0	0	0	0	0	0	0
<b>Total</b>	<b>139,042</b>	<b>0</b>	<b>45,331</b>	<b>0</b>	<b>55,954</b>	<b>0</b>	<b>28,572</b>	<b>0</b>	<b>9,185</b>	<b>0</b>	<b>43,957</b>

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Program Information			Financial Details																																																																					
<b>Buildings-Road Services</b>			<b>Class of Estimate: C) Planning</b>																																																																					
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets		Ward: Multiple		Year of Completion: Various																																																																			
<p>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.</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions. Project cost group summaries are provided following this program summary.</p> <p>Annual programming provides allocations as required for each of the service areas as follows:</p>			<table border="1"> <tr> <td><b>2021 Request</b></td> <td><b>3,375</b></td> <td colspan="3">Projected Yearend Unspent Bal.</td> <td>0</td> </tr> <tr> <td>Revenues</td> <td>0</td> <td colspan="4">Debt</td> </tr> <tr> <td>Tax Supported/ Dedicated</td> <td>3,375</td> <td>Tax Supported/ Dedicated Debt</td> <td colspan="3">0</td> </tr> <tr> <td>Rate Supported</td> <td>0</td> <td>Rate Supported Debt</td> <td colspan="3">0</td> </tr> <tr> <td>Develop. Charges</td> <td>0</td> <td>Develop. Charges Debt</td> <td colspan="3">0</td> </tr> <tr> <td>Gas Tax</td> <td>0</td> <td>Gas Tax Debt</td> <td colspan="3">0</td> </tr> <tr> <td><b>Forecast</b></td> <td><b>2021</b></td> <td><b>2022</b></td> <td><b>2023</b></td> <td colspan="2"><b>2024</b></td> </tr> <tr> <td>Authority</td> <td>3,375</td> <td>800</td> <td>800</td> <td colspan="2">880</td> </tr> <tr> <td>Spending Plan</td> <td>1,400</td> <td>1,640</td> <td>1,200</td> <td colspan="2">840</td> </tr> <tr> <td>FTE's</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="2">0</td> </tr> <tr> <td>Operating Impact</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="2">0</td> </tr> </table>				<b>2021 Request</b>	<b>3,375</b>	Projected Yearend Unspent Bal.			0	Revenues	0	Debt				Tax Supported/ Dedicated	3,375	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			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>		Authority	3,375	800	800	880		Spending Plan	1,400	1,640	1,200	840		FTE's	0	0	0	0		Operating Impact	0	0	0	0	
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Project Information		Location/Description	\$000's
<b>910043 2021 Buildings-Road Services</b>		<b>Class of Estimate: C) Planning</b>	<b>3,375</b>
Category: Renewal of City Assets   Ward: CW		Year of Completion: 2024	
<p>This program provides for life cycle renewal and replacement works to existing building assets and is a component of the corporate Buildings and Parks Program.</p>			
05	Fitzroy Works Garage Office	Repair Exterior Block Walls	
05	West Carleton Works Garage and Office	Replace Vinyl Siding	
06	Iber Road Garage	Type II Building Condition Audit	
08	Woodward Yard: Salt Dome	Structural Assessment - Wood Dome	
10	Charles Sim Municipal Workshop	Advance Design - Replace AHU's, Exhaust Reels, Hoses and Exhaust Fans	
10	Charles Sim Municipal Workshop	Replace Caulking, Replace Roofs 2 and 4	
11	Cyrville Depot Works Garage	Thermographic Survey of Electrical Equipment	
12	Hurdman Yard: Salt Dome	Structural Assessment - Wood Dome	
12	Vanier Salt and Sand Storage	Repair Steel Roof Assembly	
12	Vanier Garage and Office	Replace Carrier Rooftop Unit 1 and Condenser	
14	Catherine Yard: Office and Garage	Replace Aluminum Frame Windows	
15	Loretta Signals and Communications Centre	Replace Roofs 1,2 and 4, Replace AHU #2 & #3, Replace Exhaust Fans	
16	Clyde Ave Salt Dome	Structural Assessment - Wood Dome	
16	Clyde Avenue Municipal Fleet Service Garage	Fuel Tank Deficiencies	
18	Industrial Office/Garage/Paramedic Post	Replace Overhead Doors (7)	
18	Industrial Yard: Salt Dome	Structural Assessment - Wood Dome	
19	Leonard Depot Salt Sand Dome	Demolish Dome	
19	Navan Depot Sand and Salt Dome	Structural Assessment - Wood Dome	
20	Metcalfe Roads Garage Salt Dome	Structural Assessment - Wood Dome	
21	Goulbourn Parks Garage	Type II Building Condition Audit	
21	Huntley Rd Equipment Depot and Garage	Localized Repairs to Exterior Stucco	
21	Manotick Depot: Sand Dome	Demolish Dome	
21	Manotick Depot: Salt Dome	Replace Salt Dome Canopy	
21	Manotick Depot Office and Garage	Replace Main Entrance Doors and Frames	
21	Nepean Vehicle Depot: Works Main Complex	Fuel Tank Deficiencies	



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Program Information		Financial Details					
<b>Preservation Treatment</b>		<b>Class of Estimate: C) Planning</b>					
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various				
<p>The Preservation Treatment program restores and extends the life of the City's existing roadway infrastructure. Funding provides for pavement resurfacing costs, as well as curb repairs and base repairs where necessary. Candidates are selected based on condition, usage, and coordination with other infrastructure requirements.</p> <p>Detailed information and costs associated with specific components and projects directly follows this program summary page.</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions.</p>		<b>2021 Request</b>	<b>6,037</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/Dedicated	6,037	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
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	6,037	7,000	7,200	7,820	
		Spending Plan	3,420	5,550	7,067	7,470	
		FTE's	0	0	0	0	
Operating Impact	0	0	0	0			

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Project Information		Location/Description	\$000's
<b>910095 2021 Preservation - CW</b>		<b>Class of Estimate: C) Planning</b>	<b>4,837</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>Preservation treatments (micro-surfacing / thin lifts / slurry seal technologies) are applied over existing pavements to extend their life, before more extensive resurfacing needs arise. These sections are in better overall condition than the resurfacing candidates.</p>			
Ward	Location	Description	
5	MURPHY CT	MARCH RD To DEAD END	
21	ASHTON STATION RD	PURDY RD To FRANKTOWN RD (OR 10)	
5	SPRUCE RIDGE RD	PINE BROOK LN To MCGEE SIDE RD	
5	McGEE SIDE RD	SPRUCE RIDGE RD To 720 M WEST OF DAVID MANCHESTER RD	
5	OPEONGO RD	CROWN POINT RD To DUNROBIN RD	
5	TORBOLTON RIDGE RD	MACLARENS SIDE RD To OLD QUARRY RD	
5	CANON SMITH DR	WILLOLA BEACH RD To TIMBER LANE RD	
5	DAVID MANCHESTER RD	RICHARDSON SIDE RD To NORTHSHIRE RD	
5	JOHN SHAW RD	RABBIT PATH To KINBURN SIDE RD	
5	SPRUCE RIDGE RD	RICHARDSON SIDE RD To PINE BROOK LANE	
4, 5	TERRY FOX DR	RICHARDSON SIDE RD To OLD SECOND LINE RD	
21, 23	TERRY FOX DR (OR 61)	CASTLEFRANK RD To HAZELDEAN RD	
9, 16	FISHER AV (OR 69)	PRINCE OF WALES DR (OR 73) To MEADOWLANDS DR (OR 51)	
8	RICHMOND RD (OR 36)	SEYTON RD To MOODIE DR (OR 59) / RICHMOND RD	
8	MOODIE DR (OR 59)	RICHMOND RD (OR 36) To ROBERTSON RD (OR 36)	
4, 7	HERZBERG RD	LEGGET DR To TERRY FOX DR / HERZBERG RD	
5	DUNSTER ST (POPLAR ST)	WOODS RD To BAYVIEW DR	
5	ACORN CR	ALLBIRCH RD To RESTHAVEN AVE	
5	CURRIE CT	HUNTER CR To DEAD END	
19	WILHAVEN DR	BECKETT'S CREEK RD (E) To CANAAN RD	
19	ETIENNE RD	BIRCHGROVE RD To CANAAN RD	
7	SHIRLEY BLVD	RIVERDOWN DR To RIFLE RD (RANGE RD)	
7	LOIS AV	RIFLE RD To SHIRLEY BLVD	
7	RIVERDOWN DR	HILDA RD To CRICHLow ST	





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Project(s) within a Program Information			\$000's
<b>910096</b>	<b>2021 Preservation - Other</b>	<b>Class of Estimate: C) Planning</b>	<b>200</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>Preservation treatments (micro-surfacing / thin lifts / slurry seal technologies) are applied over existing pavements and miscellaneous pavement and roadside repairs made to extend their life, before more extensive resurfacing or reconstruction needs arise. This project is for work to be delivered by a boundary municipality or another City department.</p>			
<b>910097</b>	<b>2021 Roadway Network Engineering</b>	<b>Class of Estimate: C) Planning</b>	<b>1,000</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project provides funding to ensure the sustained performance of the City's roadway - roads and sidewalk network in support of the capital renewal program. The funding is primarily focused on the geotechnical assessment, vibration testing and pavement management of the City's roadway network.</p>			

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Program Information		Financial Details					
<b>Sidewalk &amp; Curb Rehabilitation</b>		<b>Class of Estimate: C) Planning</b>					
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various				
<p>The Sidewalk and Pathway Program addresses annual rehabilitation requirements for the City's sidewalk network, in order to provide continued service. This program specifically addresses continuous sections of curbs and sidewalks that have deteriorated to a point requiring replacement, and are not subject to reconstruction as part of an integrated road, sewer, or water project. Program funding requirements help to support the Ottawa Pedestrian Plan objectives.</p> <p>Detailed information and costs associated with specific components and projects directly follow this program summary page.</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions.</p>		<b>2021 Request</b>	<b>8,900</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	700	Tax Supported/ Dedicated Debt			8,200
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	0	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	8,900	5,906	6,572	8,220	
		Spending Plan	4,450	5,620	6,840	7,266	
		FTE's	0	0	0	0	
Operating Impact	0	0	0	0			

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Project Information		Location/Description	\$000's
<b>910103 2021 Sidewalks &amp; Pathways - CW</b>		<b>Class of Estimate: C) Planning</b>	<b>8,700</b>
Category: Renewal of City Assets   Ward: CW		Year of Completion: 2023	
<p>This project provides funding for reconstruction of existing sidewalks and pathways that have deteriorated to a point requiring replacement, and are not subject to reconstruction as part of a coordinated road, sewer, or water construction project.</p> <p>Subject to Council adoption of the 2021 draft budget, the authority for these projects will be reduced by \$3,900,000 and the funding used to eliminate a portion of the PTIF project debt financing.</p>			
CONSTRUCTION FUNDING			
Ward	Location	Description	
CW	CITY-WIDE	SIDEWALK RENEWAL IN ASSOCIATION WITH RESURFACING PROJECTS	
23	CASTLEFRANK RD (EAST SIDEWALK)	ABBEYHILL RD To TORCASTLE RD	
12	KING EDWARD AV (OR 99) (BOTH SIDES)	SOMERSET ST EAST To LAURIER AV (OR 48)	
16	SAWMILL CREEK PATHWAY	930 M SOUTH OF WALKLEY RD To 630 M SOUTH OF WALKLEY RD	
7	POULIN AV (WEST SIDEWALK)	PRISCILLA ST To RICHMOND RD (OR 36)	
7	MARIE ST (SOUTH SIDEWALK)	BRITANNIA RD To POULIN AV	
7	PRISCILLA ST (SOUTH SIDEWALK)	POULIN AVE To CONN ST	
12	JEANNE MANCE ST (SOUTH SIDEWALK)	OLMSTEAD ST To BLAKE BLVD	
12	OLMSTEAD ST (EAST SIDEWALK)	MCARTHUR RD (OR 68) To JEANNE MANCE ST	
12	DUROCHER ST (EAST SIDEWALK)	DESCHAMPS AV To CARILLON ST	
11	MAJOR PATH - QUEENSWAY PARK/HYDRO	STONEHENGE CR To JAMES NAISMITH DR	
23	CASTLEFRANK RD (EAST SIDEWALK)	HAZELDEAN RD (OR 36) To KATIMAVIK RD	
DESIGN FUNDING			
Ward	Location	Description	
7	RICHMOND RD (RR 36) (BOTH SIDEWALKS)	BAYSHORE DR To PINECREST RD	
7	RICHMOND RD (PART NORTH/ SOUTH)	CARLING AV (OR 38) To 130 M EAST OF POULIN AV	
20	MULTI-USE PATHWAY LINK	OLD PRESCOTT RD To REMMINGTON WAY	
5	HARBOUR ST (EAST SIDEWALK)	NICHOLSON ST To CROSSLAND DR	
5	FITZROY ST (OR 5) (BOTH SIDEWALKS)	HARBOUR ST To OLD SHIP RD	
13	DEN HAAG DR (BOTH SIDEWALKS)	CARSON'S RD To 200 M EAST OF CARSON'S RD	
9	PATHWAY LINK	PARKMOUNT CRES To CANFIELD RD	

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Project Information		Location/Description	\$000's
Category:		Ward:	Year of Completion:
Sidewalks and Pathways - Continued			
DESIGN FUNDING - CONTINUED			
Ward	Location	Description	
10	PATHWAY LINK	HUNTERSFIELD DR To NEWPORT CRES	
10	PATHWAY LINK	HUNTERSFIELD DR To BURLINGTON CRES	
10	PATHWAY LINK	SHELLBROOK WAY To JOHNSTON RD	
18	PATHWAY LINK	KILBORN AVE To JUNO AV	
18	PATHWAY LINK	BLACKSTONE CRES To LANCASTER RD	
20	PATHWAY LINK	COSGROVE AV To PARKWAY RD	
23	PATHWAY LINK	OLD COLONY RD To SHOULDICE CRES	
6	RENSHAW AV (NORTH SIDEWALK)	DELAMERE DR To HOBIN ST	
10	MAJOR PATHWAY - CONROY RD	HUNT CLUB RD To JOHNSTON RD	
10	MULTI-USE PATHWAY LINK	ALLANFORD AVE To CONROY RD	
CONSTRUCTION FUNDING - BELOW LINE			
Ward	Location	Description	
12	MAJOR PATHWAY - ROBINSON FIELD	HURDMAN RD To CHAPEL CRES	
7, 8	WOODROFFE AV (BOTH SIDEWALKS)	HWY 417 IC127 RAMP 25 To CARLING AV (OR 38)	
12	CUMBERLAND ST (BOTH SIDEWALKS)	75 M SOUTH OF LAURIER AV EAST To LAURIER AV EAST	
12	CUMBERLAND ST (EAST SIDEWALK)	40M NORTH OR LAURIER AV TO 90M NORTH OF LAURIER AV	
17	PATHWAY LINK - NORTH OF SUNNYSIDE AV	BRONSON AV To BRONSON PL	
4	MAJOR PATHWAY - FENTIMAN PARK	GOLDRIDGE DR To 70 M WEST OF HERLIHEY WAY	
8	MAJOR PATHWAY - HOLLY ACRES RD	RICHMOND RD To BAYSHORE TRANSITWAY	
1	PATHWAY LINK	CHENIER WAY To CHARLEMAGNE BLVD	
1	MAJOR PATHWAY - EAST OF CAPRIHANI	70 M EAST OF TRIM RD To 280 M EAST OF TRIM RD	
1	PATHWAY LINK	MCEACHERN CRES To BOURCIER DR	



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Project(s) within a Program Information			\$000's
<b>910104</b>	<b>2021 Sidewalks &amp; Pathways - Other</b>	<b>Class of Estimate: C) Planning</b>	<b>200</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project provides funding for reconstruction of existing sidewalks and pathways that have deteriorated to a point requiring replacement, and are not subject to reconstruction as part of a coordinated road, sewer, or water construction project. This project is for work to be delivered by a boundary municipality or another City department.</p>			

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Program Information		Financial Details				
<b>Structures</b>		<b>Class of Estimate: C) Planning</b>				
Dept: Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various			
<p>The Structures Program provides for rehabilitation and reconstruction work undertaken on the City's existing bridges, bridge culverts, pedestrian overpasses, retaining wall systems, and noise barriers.</p> <p>Detailed information and costs associated with specific components and projects, directly follow this program summary page.</p> <p>Forecasts are based on bulk allocations that will be detailed in future budget submissions.</p>		<b>2021 Request</b>	<b>25,635</b>	Projected Yearend Unspent Bal.		0
		Revenues	0	Debt		
		Tax Supported/ Dedicated	2,720	Tax Supported/ Dedicated Debt	22,915	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
		Authority	25,635	29,205	27,255	30,060
		Spending Plan	9,880	14,210	22,565	26,495
		FTE's	0	0	0	0
		Operating Impact	0	0	0	0



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Project(s) within a Program Information		Location/Description	\$000's
<b>908583 Bank St Sawmill Crk [057470]</b>		<b>Class of Estimate: B) Design</b>	<b>485</b>
Category: Renewal of City Assets	Ward: 17,18	Year of Completion: 2022	
<p>Funding is required for the construction phase of a life-cycle rehabilitation, in line with the recommendations obtained from a detailed condition assessment and renewal options analysis study.</p>			
<b>908589 Belfast Rd O/P VIA [055980]</b>		<b>Class of Estimate: B) Design</b>	<b>2,310</b>
Category: Renewal of City Assets	Ward: 18	Year of Completion: 2022	
<p>Funding is required for the construction phase of a life-cycle rehabilitation, in line with the recommendations obtained from a detailed condition assessment and renewal options analysis study.</p>			





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Project(s) within a Program Information			\$000's
<b>910098</b>	<b>2021 Structures - Site-Specific</b>	<b>Class of Estimate: C) Planning</b>	<b>1,000</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>Funding is required to undertake engineering, design, and construction of renewal works, which are not budgeted through any other renewal program.</p>			
<b>910099</b>	<b>2021 Misc Structural Renewal - CW</b>	<b>Class of Estimate: C) Planning</b>	<b>340</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project provides funding necessary to undertake engineering, design, and construction of retaining walls, noise barriers, and other miscellaneous structures within the City's Right-of-Way, that are not budgeted through any other renewal program. The size and complexities of the projects vary considerably. The activities are scheduled based on needs identified through the Structures Asset Management System and service requests.</p>			
<b>910100</b>	<b>2021 Structures Scoping Pre/Post Eng</b>	<b>Class of Estimate: C) Planning</b>	<b>500</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>Scoping and design briefs for major structures (typically those over 3.0 meters in span) 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>			



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Project Information			Financial Details					
<b>910046 2021 Public Realm Intervention</b>			<b>Class of Estimate:</b>					
Dept:	Planning, Infrastructure & Economic Development Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023				
Funds requested are for the study, design, and delivery of capital projects that will improve the public realm.			<b>2021 Request</b>	<b>750</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	750	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	750	750	750	770	
			Spending Plan	750	750	750	770	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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Program Information		Financial Details				
<b>Lifecycle Renewal - Parking Operations</b>		<b>Class of Estimate: Not Applicable</b>				
Dept: Public Works & Environmental Services Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various			
<p>The program funds all renewal activities related to the Municipal Parking Management Program, including: rehabilitation and improvement of paid parking garages, surface lots, and on-street parking; purchase of parking payment equipment; upgrades to security and accessibility in paid parking facilities. The fulfillment of these initiatives preserves and extends the life of municipal parking infrastructure and enhances the viability of the Municipal Parking Management Program.</p>		<b>2021 Request</b>	<b>1,775</b>	Projected Yearend Unspent Bal.	0	
		Revenues	0	Debt		
		Tax Supported/ Dedicated	1,775	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	
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
		Authority	1,775	3,400	3,345	3,235
		Spending Plan	1,775	3,400	3,345	3,235
		FTE's	0	0	0	0
Operating Impact	0	0	0	0		

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Project(s) within a Program Information			\$000's
<b>910213</b>	<b>Lifecycle Renewal - Parking Facilities (2021)</b>	<b>Class of Estimate: Not Applicable</b>	<b>1,275</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
This project supports improvements to the existing parking facilities (garage and surface lots) to enhance the customer experience and operational efficiencies.			
<b>910214</b>	<b>On-Street Facility Modification (2021)</b>	<b>Class of Estimate: Not Applicable</b>	<b>300</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
This project supports improvements to the existing on-street parking network, including initiatives to assess performance and the implementation of measures intended to help fulfill the Municipal Parking Management Strategy.			
<b>910220</b>	<b>Lifecycle Renewal - Parking Facility Improvements (2021)</b>	<b>Class of Estimate: Not Applicable</b>	<b>200</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
This project supports improvements to the existing parking facilities (garage and surface lots) to enhance the customer experience and operational efficiencies.			



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Program Information		Financial Details					
<b>Roads Life Cycle Renewal</b>		<b>Class of Estimate: Not Applicable</b>					
Dept: Public Works & Environmental Services Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various				
<p>The Roads Operations Life Cycle Renewal Program funds activities such as the replacement of equipment used to maintain roads, the research of new snow and ice control technologies and enhancements of existing technologies, and provides on-going maintenance and lifecycle renewal of assets with all Public Works Yard facilities.</p>		<b>2021 Request</b>	<b>815</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	815	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
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	815	830	850	870	
		Spending Plan	815	830	850	870	
		FTE's	0	0	0	0	
Operating Impact	0	0	0	0			

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Project(s) within a Program Information			\$000's
<b>910016 Roads Equipment Replacement (2021)</b>		<b>Class of Estimate: Not Applicable</b>	
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project includes the annual lifecycle replacement and unexpected maintenance or loss due to operational incidents of various equipment used for maintenance operations of the road network. These include, but are not limited to: weigh scales for load accuracy, pre-wet tanks, couplers, back-up pumps and generators, flood control boats, motors, engineered jersey barriers and clamps, survey rods, receivers and electronic levels, hydraulic tampers, concrete/asphalt/ice power saws and other related equipment.</p> <p>Effective replacement of tools and equipment ensures the provision of efficient and cost effective service to the public, public transit as well as to emergency services.</p>			
<b>910017 Ice-Snow Control and RWIS Technologies (2021)</b>		<b>Class of Estimate: Not Applicable</b>	
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project is used for research, pilots, trials for new technologies as well as enhancing and ongoing maintenance to existing technologies supporting Snow and Ice control operations. These technologies are important to the ongoing efforts to improve operational processes and minimize environmental impacts and to remain current with best practices.</p>			
<b>910018 2021 LCR - PWES Works Yard</b>		<b>Class of Estimate: Not Applicable</b>	
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This funding provides for lifecycle work to existing PWES Works Yard facilities. Lifecycle repairs will ensure continued use of the collective facilities used for the City's seasonal maintenance and operational programs. These facilities are located within their service areas and house equipment and staff required to conduct maintenance activities.</p>			

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Project Information			Financial Details					
<b>905479</b>	<b>Huntley Yard Facility Expansion</b>		<b>Class of Estimate:</b>	<b>D) Conceptual</b>				
Dept:	Public Works & Environmental Services Department	Category: Growth	Ward: 21	Year of Completion: 2023				
<p>The winter material storage facility at Huntley Works Yard is at the end of its useful life and can no longer support the operational needs. A new, larger and enclosed winter material storage facility is required to accommodate the community growth and minimize impacts to the natural environment, control material loss, erosion, noise and visual intrusion.</p>			<b>2021 Request</b>	<b>2,946</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	442	Tax Supported/ Dedicated Debt	0		
			Rate Supported	0	Rate Supported Debt	0		
			Develop. Charges	2,504	Develop. Charges Debt	0		
			Gas Tax	0	Gas Tax Debt	0		
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	2,946	0	0	0	
			Spending Plan	2,946	0	0	0	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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Project Information			Financial Details					
<b>909023</b>	<b>Works Yard Facilities- New Growth Svce</b>		<b>Class of Estimate:</b>		<b>Not Applicable</b>			
Dept:	Public Works & Environmental Services Department	Category: Growth	Ward: CW		Year of Completion: 2025			
<p>This project will involve the reactivation and resourcing of a former works yard at 48 Antares Drive.            Ongoing growth in roads, transitway and parks infrastructure in the Suburban Community will require the upgrade of an existing salt storage facility and the construction of equipment storage bays at 48 Antares.            Transit maintenance will consist of winter operations for Park &amp; Ride Lots and new Transitway lanes in the South. Roads operations will include winter maintenance in Suburban Communities. Parks programs will use the space for summer operations.</p>			<b>2021 Request</b>		<b>4,850</b>	Projected Yearend Unspent Bal.	0	
			Revenues		0	Debt		
			Tax Supported/ Dedicated		0	Tax Supported/ Dedicated Debt		728
			Rate Supported		0	Rate Supported Debt		0
			Develop. Charges		4,122	Develop. Charges Debt		0
			Gas Tax		0	Gas Tax Debt		0
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
			Authority		4,850	4,950	5,050	5,150
			Spending Plan		4,850	4,950	5,050	5,150
			FTE's		0	0	0	0
Operating Impact		0	0	0	0			

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Project Information			Financial Details					
<b>910019</b>	<b>2021 Winter Materials Storage Facility</b>		<b>Class of Estimate:</b>		<b>Not Applicable</b>			
Dept:	Public Works & Environmental Services Department	Category: Growth	Ward: CW		Year of Completion: 2023			
<p>This project provides for the reconstruction and growth of Winter Materials Storage Facilities. The existing storage space in combination with new storage will provide for the ongoing requirements of the collective storage of more than 170,000 tonnes of de-icing material and 60,000 tonnes of winter abrasives annually, used for the city's snow and ice control program. Materials are required to be stored within these facilities to ensure their usability, to minimize impacts to the natural environment and to control material loss, erosion, noise, visual intrusion etc</p>			<b>2021 Request</b>		575	Projected Yearend Unspent Bal.	0	
			Revenues		0	Debt		
			Tax Supported/ Dedicated		86	Tax Supported/ Dedicated Debt		0
			Rate Supported		0	Rate Supported Debt		0
			Develop. Charges		489	Develop. Charges Debt		0
			Gas Tax		0	Gas Tax Debt		0
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
			Authority		575	585	600	625
			Spending Plan		575	585	600	625
			FTE's		0	0	0	0
Operating Impact		0	0	0	0			

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Project Information			Financial Details					
<b>910221</b>	<b>Parking Studies - DC (2021)</b>		<b>Class of Estimate:</b>		<b>Not Applicable</b>			
Dept:	Public Works & Environmental Services Department	Category: Growth	Ward: CW	Year of Completion: 2023				
Supports various parking studies and parking data collection throughout the City related to growth. These activities are required on an on-going basis to ensure parking data is up-to-date and to respond to internal and external requirements for parking-related information.			<b>2021 Request</b>	<b>345</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	275	Tax Supported/ Dedicated Debt	0		
			Rate Supported	0	Rate Supported Debt	0		
			Develop. Charges	70	Develop. Charges Debt	0		
			Gas Tax	0	Gas Tax Debt	0		
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	345	255	260	265	
			Spending Plan	345	255	260	265	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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Program Information		Financial Details					
<b>Traffic Control Devices Rehabilitation-Renewal</b>		<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various				
<p>This program provides on-going maintenance for the safe and effective operation of the City's Traffic Control Systems. Currently, there are over 1,183 traffic control signals in the City of Ottawa, and several hundred of these signals were installed 30 to 40 years ago.</p> <p>The overall goal of this program is to reduce operational costs while at the same time developing efficiencies in the Traffic Control System in order to effectively manage growth. The program includes:</p> <ul style="list-style-type: none"> <li>- Lifecycle Renewal - Traffic Control Signals</li> <li>- Lifecycle Renewal - Traffic Monitoring System</li> </ul>		<b>2021 Request</b>	<b>2,103</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	2,103	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
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	2,103	2,144	2,188	2,231	
		Spending Plan	2,103	2,144	2,188	2,231	
		FTE's	0	0	0	0	
Operating Impact	0	0	0	0			







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Project Information			Financial Details				
<b>910013 2021 Street Lighting Major Replacements</b>			<b>Class of Estimate: D) Conceptual</b>				
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023				
<p>This program provides the installation of new/upgraded street lights and street light plant to address deficiencies from aging infrastructure. The program also includes the retrofitting of existing lighting with new technologies and asset data capture. These installations are in accordance with current City of Ottawa lighting policies and practices. The deficiencies include approximately 50 km of old, direct buried street light cable that is at the end of its lifecycle and requires replacement; concrete street light poles that are showing signs of degradation; and power supply cabinets that are deteriorating due to environmental factors. The rehabilitation work will reduce the overall operating costs of the lighting systems and improve pedestrian and vehicular safety. In addition, Hydro Ottawa has initiated a pole replacement program which necessitates Street Lighting make modifications to its existing plant. This work includes coordination with hydro utility for planning; design of modifications to the street lighting system in the affected areas; installation of temporary overhead wiring to allow for new construction; reuse of the existing street lighting plant where practical; and energizing the new service disconnects and updating the design records.</p>			<b>2021 Request</b>	<b>2,328</b>	Projected Yearend Unspent Bal.		0
			Revenues	0	Debt		
			Tax Supported/ Dedicated	2,328	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	
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
			Authority	2,328	2,374	2,422	2,469
			Spending Plan	2,328	2,374	2,422	2,469
			FTE's	0	0	0	0
Operating Impact	0	0	0	0			

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Project Information		Location/Description	\$000's
<b>910013 2021 Street Lighting Major Replacements</b>		<b>Class of Estimate: D) Conceptual</b>	<b>2,328</b>
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023	
<p>This project provides funding for the various streetlight rehabilitation initiatives described below.</p>			
CW	City Wide Program	Hydro pole conversions	see below
CW	City Wide Program	Luminaire & cable transfers (Hydro Ottawa)	100
CW	City Wide Program	LED retrofit	1150
CW	City Wide Program	Engineering - cable fault program	see below
CW	City Wide Program	Minor upgrades - installation of new/upgraded streetlight plant	50
CW	City Wide Program	Separation of street light system from the traffic system	50
CW	City Wide Program	City wide pole conversion program	see below
<b>2021 Hydro Pole Conversion</b>			
CW	Critical poles City wide	Hydro pole conversion and street light transfer	300
<b>2021 Cable Fault Repair Program</b>			
Ward 11	Meadowbrook Rd & Maxine St	Cable fault tender	35
Ward 2	24 & 81 Bearbrook Rd	Cable fault tender	45
Ward 11	692 Glenhurst Cr	Cable fault tender	15
Ward 12	Cobourg St & Tomey St	Cable fault tender	20
Ward 1	274 Hoylake Cres	Cable fault tender	20
Ward 15	663 Briarwood Ave	Cable fault tender	20
CW	15 additional sites anticipated by year end	Cable fault tender	423
			2228



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Project Information			Financial Details						
<b>910162 2021 Pedestrian Access-Intersect &amp; Ramp.</b>			<b>Class of Estimate: C) Planning</b>						
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023						
<p>This funding supports planning, design and implementation of accessible pedestrian facilities that are not captured through road reconstruction or development projects. The program removes obstructions and installs short sections of sidewalks, curb ramps, TWSIs (Tactile Walking Surface Indicators), and AODA upgrades at intersections, bus stops and mid block crossings, while bringing facilities in line with current accessibility design standards and legislation. Locations are prioritized based on opportunities to coordinate with other capital works projects, technical feasibility, and community need (e.g. links to public transit, schools, parks and other destinations).</p>			<b>2021 Request</b>		<b>231</b>	Projected Yearend Unspent Bal.			0
			Revenues		0	Debt			
			Tax Supported/ Dedicated		231	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	
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		231	236	240	217	
			Spending Plan		116	234	238	229	
			FTE's		0	0	0	0	
Operating Impact		0	0	0	0				
<b>910163 2021 Active Transportation Missing Links</b>			<b>Class of Estimate: C) Planning</b>						
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: CW	Year of Completion: 2023						
<p>This funding is for the planning, design, construction, and project management of pedestrian and cycling linkages that are not identified in the affordable network. These linkages may represent gaps in the network that were created by the implementation of other unrelated projects. The funds may be also used for active transportation links as part of Stage 2 LRT, identified in various Community Design Plans, other policy documents, or identified based on community needs.</p>			<b>2021 Request</b>		<b>1,276</b>	Projected Yearend Unspent Bal.			0
			Revenues		0	Debt			
			Tax Supported/ Dedicated		1,276	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	
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		1,276	1,094	265	255	
			Spending Plan		319	1,231	887	263	
			FTE's		0	0	0	0	
Operating Impact		4	4	4	4				

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Project Information			Financial Details					
<b>910164 2021 TMIP Richmond Rd/Westboro</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Renewal of City Assets	Ward: 7, 15	Year of Completion: 2023					
<p>The funding will support the planning, design, and implementation of the Transportation Management Implementation Plan (TMIP) for Richmond Road/Westboro. The TMIP identifies transportation initiatives that aim to increase transit use, cycling, and walking and are designed to support intensification before Stage 2 LRT reaches the community. The TMIP covers the broader Richmond Road corridor from Island Park in the east to Lincoln Fields in the west, and from the Ottawa River in the north to Carling Avenue in the south. A portion of previously approved funding for the TMIP initiative was retracted to help mitigate City financial pressures due to COVID. This 2021 budget request replaces these funds and allows for the continuation of projects such as the improvements to the active transportation facilities at the Richmond Road /Golden Avenue intersection, including approaches.</p>			<b>2021 Request</b>	<b>476</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	476	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	476	464	349	0	
			Spending Plan	238	470	407	175	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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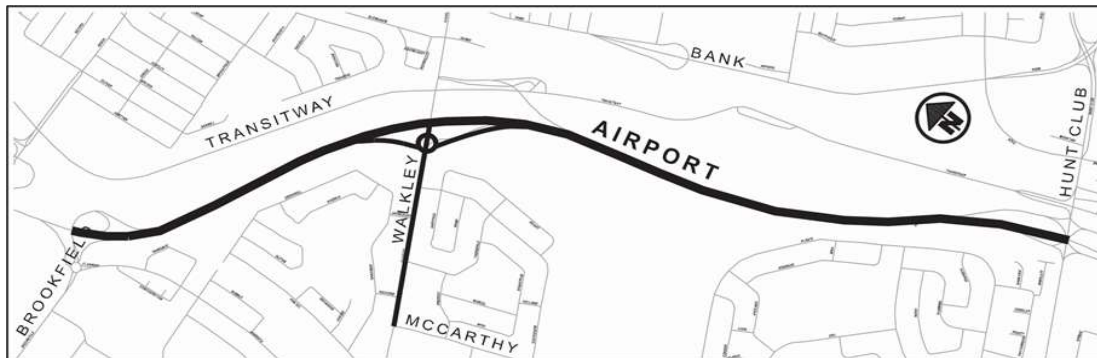
Project Information		Financial Details		
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<b>903159 Airport Parkway (Brookfield - Hunt Club)</b>		<b>Class of Estimate: C) Planning</b>		
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Dept: Transportation Services Department	Category: Growth	Ward: 16	Year of Completion: 2027	
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To address growth in south urban area, the Airport Parkway requires widening to 4 lanes from Brookfield Road to Hunt Club Road. This will include a southbound off ramp to Walkley Road complete with a roundabout and improved cycling facilities along Walkley Road west to McCarthy Road. This funding is needed for detailed design with subsequent funding to be requested in future years for construction.

<b>2021 Request</b>	<b>7,364</b>	Projected Yearend Unspent Bal.			0
Revenues	0	Debt			
Tax Supported/ Dedicated	0	Tax Supported/ Dedicated Debt		502	
Rate Supported	0	Rate Supported Debt		0	
Develop. Charges	6,862	Develop. Charges Debt		0	
Gas Tax	0	Gas Tax Debt		0	
<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
Authority	7,364	0	19,146	13,788	
Spending Plan	1,473	3,682	5,302	13,067	
FTE's	0	0	0	0	
Operating Impact	0	0	0	0	



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Project Information		Financial Details		
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**903163 Bank Street (Leitrim to Dun Skipper)**      **Class of Estimate: C) Planning**

Dept: Transportation Services Department	Category: Growth	Ward 20,22	Year of Completion: 2028
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Bank Street widening to 4 lanes (complete with cycling and pedestrian facilities) from south of Leitrim Road to Dun Skipper Drive is needed to address the rapid pace of development in the Findlay Creek area. This funding will be used for detailed design, relocating utilities, property acquisition and construction. Additional funding will be requested in future years to complete construction.	<b>2021 Request</b>	<b>18,900</b>	Projected Yearend Unspent Bal.		0
	Revenues	0	Debt		
	Tax Supported/ Dedicated	0	Tax Supported/ Dedicated Debt	945	
	Rate Supported	0	Rate Supported Debt	0	
	Develop. Charges	17,955	Develop. Charges Debt	0	
	Gas Tax	0	Gas Tax Debt	0	
	<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
	Authority	18,900	16,415	2,288	4,846
	Spending Plan	1,890	6,367	16,618	11,726
	FTE's	0	0	0	0
Operating Impact	0	0	243	250	





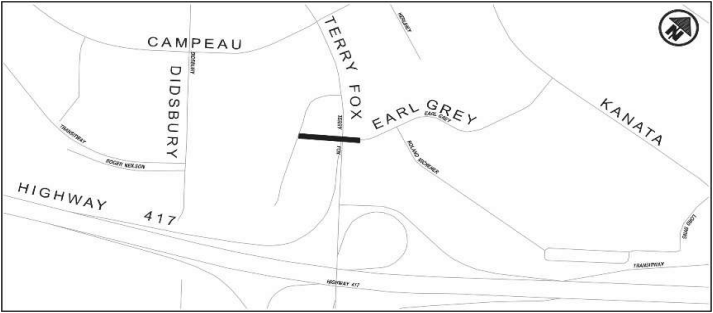
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Project Information		Financial Details		
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<b>904995 Earl Grey/Centrum Underpass</b>		<b>Class of Estimate: C) Planning</b>		
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Dept: Transportation Services Department	Category: Growth	Ward 4	Year of Completion: 2020	
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<p>A new 2 lane connection from Earl Grey Drive to Didsbury Road under Terry Fox Drive is needed to improve traffic flow in the Kanata Centrum area. This funding will be used for detailed design with subsequent funding to be requested in future years for construction.</p> <p>New estimated completion date 2023.</p>	<b>2021 Request</b>		844		Projected Yearend Unspent Bal.		996		
	Revenues	0		Debt					
	Tax Supported/ Dedicated	42		Tax Supported/ Dedicated Debt	0				
	Rate Supported	0		Rate Supported Debt	0				
	Develop. Charges	802		Develop. Charges Debt	0				
	Gas Tax	0		Gas Tax Debt	0				
	<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>				
	Authority	844	12,489	0	0				
	Spending Plan	184	2,169	6,980	4,996				
	FTE's	0	0	0	0				
Operating Impact	0	0	30	30					



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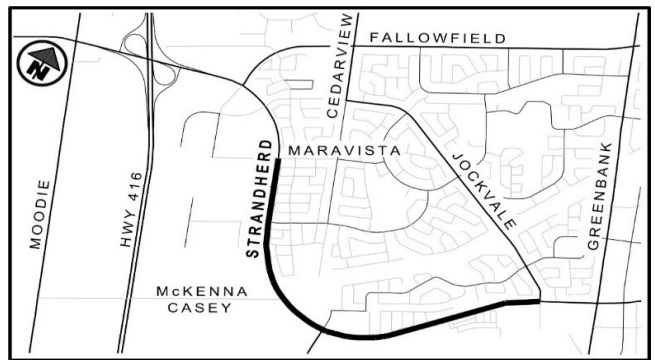
Project Information		Financial Details	
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**907405 Strandherd Dr Ph2(Maravista to Jockvale)**      **Class of Estimate: C) Planning**

Dept: Transportation Services Department	Category: Growth	Ward 3	Year of Completion: 2026
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Rapid growth in the Barrhaven South area requires widening of Strandherd Drive to four lanes between Maravista Drive and Jockvale Road. Detailed design is completed and this funding is required to fully fund construction for the approximately 3.3 kilometre segment. The project also includes a grade-separated crossing over the rail corridor.

<b>2021 Request</b>	<b>9,667</b>	Projected Yearend Unspent Bal.		78,924
Revenues	0	Debt		
Tax Supported/ Dedicated	0	Tax Supported/ Dedicated Debt	482	
Rate Supported	0	Rate Supported Debt	0	
Develop. Charges	0	Develop. Charges Debt	9,185	
Gas Tax	0	Gas Tax Debt	0	
<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Authority	9,667	0	0	0
Spending Plan	22,148	22,148	22,148	22,148
FTE's	0	0	0	0
Operating Impact	0	0	0	240



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Project Information			Financial Details					
<b>910010 2021 New Traffic Control Devices</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>Annual growth within the City affects both traffic and pedestrian movement to the point that some locations meet the Provincial warrants for the installation of either a traffic control signal or a pedestrian signal. For locations that meet the warrants, this program provides for the installation of the associated traffic control device including any related intersection modifications. Roundabouts are considered in the design process as an alternative means of providing traffic control and are implemented where appropriate. The program funds the applicable portion of the data collection program, assessment of traffic and pedestrian volumes versus Provincial warrants for the justification of signalization, the design of intersections at which modifications are required for effective traffic operation and any associated communication required to support them. Candidate locations are reassessed and ranked annually.</p>			<b>2021 Request</b>	<b>2,465</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	493	Tax Supported/ Dedicated Debt			0
			Rate Supported	0	Rate Supported Debt			0
			Develop. Charges	1,972	Develop. Charges Debt			0
			Gas Tax	0	Gas Tax Debt			0
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	2,465	2,514	2,564	2,615	
			Spending Plan	2,465	2,514	2,564	2,615	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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Project Information		Location/Description	\$000's
<b>910010 2021 New Traffic Control Devices</b>		<b>Class of Estimate: C) Planning</b>	<b>2,465</b>
Category: Growth	Ward: CW	Year of Completion: 2023	
<p>The 2021 Project funding supports the base program (determining need and rank) as well as the design and installation of warranted traffic control signals (or roundabout where appropriate) and pedestrian signals.</p> <p>Those locations above the funding cutoff line, which, after investigation are found not to be supported technically or otherwise, will be discarded and replaced with candidate locations from below the cutoff.</p>			
CW	Pre-Engineering	Traffic counts, warrant assessment	300
Ward 10	Hawthorne Rd and Davidson Rd	Traffic control, intersection modification - functional assessment study	100
Ward 10	Conroy Rd and Davidson Rd	Traffic control, intersection modification - detail design	250
W 10/22	Leitrim Rd and River Rd	Traffic control, intersection modification - construction	1300
W 1,19	Frank Kenny Rd and Innes Rd	Roundabout, intersection modification - construction	515
Cut-off			
1,19	Frank Kenny W Rd at Innes Rd	Roundabout, intersection modification - design/construction	
Ward 2	Ch Mer Bleue W at Navan Rd	Traffic control, intersection modification - study/design/construction	
Ward 3	Jockvale Rd at Laming St/Weybridge Dr	Traffic control, intersection modification - design/construction	
Ward 4	Carling Ave at 320 m E of March Rd	Pedestrian signal - design/construction	
Ward 4	March Valley Rd at Terry Fox Dr	Traffic control, intersection modification - study/design/construction	
W 8,16	Clyde Ave at Laperriere Ave	Traffic control, intersection modification - study/design/construction	
Ward 09	Deakin St at MacFarlane Rd	Traffic control, intersection modification - study/design/construction	
Ward 10	Albion Rd at Johnston Rd	Traffic control, intersection modification - study/design/construction	
Ward 10	Conroy Rd at Davidson Rd (N&S)	Traffic control, intersection modification - construction	
Ward 10	Conroy Rd at Queensdale Ave	Traffic control, intersection modification - design/construction	
Ward 10	Davidson Rd/Whyte Side Rd at Hawthorne Rd	Traffic control, intersection modification - design/construction	
10,19,20	Anderson Rd at Leitrim Rd	Traffic control, intersection modification - study/design/construction	
Ward 11	Blair Rd at Claver St	Pedestrian signal - design/construction	
Ward 13	St. Laurent - 215m S. of Brittany Dr/Dunbarton	Pedestrian signal - design/construction	
Ward 14	Bay St at Somerset St W	Pedestrian signal - design/construction	
Ward 14	Booth St at Orangeville St	Traffic control, intersection modification - study/design/construction	
Ward 14	Preston St at St. Anthony St	Pedestrian signal - design/construction	
Ward 15	Parkdale Ave at Sherwood Dr	Traffic control, intersection modification - study/design/construction	
			2465



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Project Information			Financial Details					
<b>910011 2021 Safety Improvement Program</b>			<b>Class of Estimate: D) Conceptual</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>This project funds the Safety Improvement Program (SIP) which monitors 15,000 reported traffic collisions annually in order to identify locations with existing road safety issues based on collision trends. The program undertakes roadway modifications at these locations to help improve road safety performance of the City's transportation network.</p>			<b>2021 Request</b>	<b>1,033</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	517	Tax Supported/ Dedicated Debt			0
			Rate Supported	0	Rate Supported Debt			0
			Develop. Charges	517	Develop. Charges Debt			0
			Gas Tax	0	Gas Tax Debt			0
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	1,033	1,053	1,075	1,096	
			Spending Plan	1,033	1,053	1,075	1,096	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				



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Project Information			Financial Details					
<b>910012 2021 Traffic Incident Management</b>			<b>Class of Estimate: D) Conceptual</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>This project is required to improve the City's response to unforeseen incidents, including extreme weather events, which may result in widespread gridlock and delay on freeways, major arterial roadways, and inter-provincial bridges. The Traffic Incident Management Group (TIMG), which is comprised of representatives from all primary municipal and provincial service providers in the National Capital region (Police, MTO, Transit, PWS, etc.), meets regularly to develop traffic management strategies and assembles when required to manage emergency situations. Funding for this program provides ITS resources needed to provide effective traffic management and traveller advisory information systems. These systems communicate to the public and help manage the impacts of incidents and major construction projects.</p>			<b>2021 Request</b>	<b>411</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	82	Tax Supported/ Dedicated Debt	0		
			Rate Supported	0	Rate Supported Debt	0		
			Develop. Charges	329	Develop. Charges Debt	0		
			Gas Tax	0	Gas Tax Debt	0		
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	411	419	428	436	
			Spending Plan	411	419	428	436	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				





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Project Information			Financial Details							
<b>910020 2021 Advanced Traffic management Program</b>			<b>Class of Estimate: D) Conceptual</b>							
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023							
<p>Intelligent Transportation Systems is the application of advanced and emerging technologies (computers, sensors, controls, communications, and electronic devices) in transportation to save lives, time, money, energy and the environment. Smart Growth demands that before investing in additional road infrastructure, and while awaiting the introduction of improved mass-transit systems, every available ounce of capacity must be squeezed out of our existing road network. Furthermore, evaluating V2I (connected Vehicle to Infrastructure) technologies will result in enhanced vehicle, cycling and pedestrian safety, as well as sustainable and improved mobility. It will identify features and components required of our systems to ensure the city stays ahead in this rapidly expanding area of mobility and advanced technologies. This can only be done through application of relatively low-cost, ITS enhancements, such as those associated with Advanced Traffic Management Systems.</p>			<b>2021 Request</b>		411			Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt			
			Tax Supported/ Dedicated		82		Tax Supported/ Dedicated Debt		0	
			Rate Supported		0		Rate Supported Debt		0	
			Develop. Charges		329		Develop. Charges Debt		0	
			Gas Tax		0		Gas Tax Debt		0	
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>		
			Authority		411	419	428	436		
			Spending Plan		411	419	428	436		
			FTE's		0	0	0	0		
			Operating Impact		0	0	0	0		
			<b>910170 2021 Cycling &amp; Pedestrian Major Structures Program</b>			<b>Class of Estimate: C) Planning</b>				
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023							
<p>This funding addresses the need for major structures (bridges or tunnels) which improve connectivity for cyclists and pedestrians where natural or man-made barriers exist. Funding will replace previously approved funding that was retracted to help mitigate City financial pressures due to COVID and will be used towards the design and construction of the pedestrian and cycling bridge over the Rideau River at Carleton University, being delivered through the Stage 2 LRT project. Additional funding is required in subsequent years to fully fund the construction of this bridge. Some funding may also be used to advance design, explore cost-sharing opportunities, and identify improved structural pedestrian and cycling connection enhancements as opportunities arise. This account will be used for all aspects of project delivery such as planning, design, consultation, project management, and construction.</p>			<b>2021 Request</b>		2,570			Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt			
			Tax Supported/ Dedicated		465		Tax Supported/ Dedicated Debt		1,000	
			Rate Supported		0		Rate Supported Debt		0	
			Develop. Charges		1,105		Develop. Charges Debt		0	
			Gas Tax		0		Gas Tax Debt		0	
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>		
			Authority		2,570	2,129	2,394	2,754		
			Spending Plan		129	235	2,539	2,174		
			FTE's		0	0	0	0		
			Operating Impact		0	0	2	2		

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<b>910171 2021 Pedestrian Facilities Program</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>This funding supports the planning, design, construction, and project management of standalone facilities for pedestrians, focusing on delivery of projects identified in the Ottawa Pedestrian Plan (OPP). The projects identified as a priority for 2021 funding are identified below; funding will also be used to progress other Council-approved OPP projects subject to availability.</p> <p>Some of the previous pedestrian projects were advanced through the PTIF program and therefore \$258k of the 2021 funding will be used to eliminate a portion of the PTIF project debt financing.</p>			<b>2021 Request</b>	<b>2,814</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	2,111	Tax Supported/ Dedicated Debt			0
			Rate Supported	0	Rate Supported Debt			0
			Develop. Charges	703	Develop. Charges Debt			0
			Gas Tax	0	Gas Tax Debt			0
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	2,814	2,869	2,661	1,945	
			Spending Plan	704	2,124	2,803	2,534	
			FTE's	0	0	0	0	
Operating Impact	5	20	43	68				



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Project Information		Financial Details					
<b>910172 2021 Cycling Facilities Program</b>		<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023				
<p>This funding is for the planning, design, construction, and project management of new cycling facilities and improvements to existing facilities and spine routes identified in the 2013 Ottawa Cycling Plan. Projects are mapped on GeoOttawa.</p> <p>Many of the previous cycling projects were advanced through the PTIF Program and therefore \$1.17M of the 2021 funding will be used to eliminate a portion of the PTIF project debt financing.</p> <p>A portion of the approved 2020 funding was retracted to help mitigate City financial pressures due to COVID. This budget request will allow the continuation of projects previously identified.</p>		<b>2021 Request</b>	<b>5,023</b>	Projected Yearend Unspent Bal.		0	
		Revenues	0	Debt			
		Tax Supported/ Dedicated	2,562	Tax Supported/ Dedicated Debt			0
		Rate Supported	0	Rate Supported Debt			0
		Develop. Charges	2,461	Develop. Charges Debt			0
		Gas Tax	0	Gas Tax Debt			0
		<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
		Authority	5,023	4,817	5,002	5,194	
		Spending Plan	1,507	4,459	4,893	5,041	
		FTE's	0	0	0	0	
Operating Impact	5	6	10	10			



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Project Information			Financial Details								
<b>910174 2021 Transportation Demand Management</b>			<b>Class of Estimate: C) Planning</b>								
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023								
<p>This funding supports “soft” but highly effective measures designed to influence travel behaviour. Transportation Demand Management (TDM) initiatives are aimed at reducing demand for single-occupant car travel, shifting travel from peak periods to non-peak periods, and supporting sustainable transportation modes such as walking, cycling, micromobility, and public transit. TDM measures offer many benefits including reducing traffic congestion, increasing non-car modal share, deferring the need for new infrastructure, reducing infrastructure costs, improving air quality, and improving mental and physical health.</p> <p>Funds will be used to support ongoing and new initiatives such as cycling education; the Cycling Safety and Awareness Program; School Travel Planning; cycling promotional campaigns; the TravelWise Workplace Program; individualized marketing; the Ottawa-Gatineau Regional Cycling Map; encouraging multi-modal travel such as cycling to transit; bicycle trip-end facilities; carpool promotion; commuter behaviour data collection, studies, and surveys; TDM related promotion, training, and workshops; and other related initiatives such as the e-scooter pilot.</p>			<b>2021 Request</b>		348		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		174		Tax Supported/ Dedicated Debt		0		
			Rate Supported		0		Rate Supported Debt		0		
			Develop. Charges		174		Develop. Charges Debt		0		
			Gas Tax		0		Gas Tax Debt		0		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		348		355		362		392
			Spending Plan		209		352		359		380
			FTE's		0		0		0		0
			Operating Impact		0		0		0		0
			<b>910175 2021 Neighbourhood Traffic Calming</b>			<b>Class of Estimate: C) Planning</b>					
			Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>This funding is for the planning, design, construction, and project management of stand-alone traffic calming measures recommended through Neighbourhood Traffic Calming (NTC) studies. This program follows the Council-approved NTC Study Process (2019) which focuses on addressing requests for permanent, engineered, traffic calming on existing local and collector streets within neighbourhoods. The NTC program is reserved for streets that cannot benefit from roadway modifications through other City programs. The NTC Process involves both qualification and city-wide prioritization of all requests as they are received and therefore potential projects are subject to change.</p>			<b>2021 Request</b>		2,046		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		1,719		Tax Supported/ Dedicated Debt		0		
			Rate Supported		0		Rate Supported Debt		0		
			Develop. Charges		327		Develop. Charges Debt		0		
			Gas Tax		0		Gas Tax Debt		0		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		2,046		2,086		2,507		1,085
			Spending Plan		614		1,853		2,208		2,038
			FTE's		0		0		0		0
			Operating Impact		0		0		0		0

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Project Information			Financial Details					
<b>910176 2021 Intersection Control Measures</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>This program provides growth related intersection control measures to address increased transportation demands in developing areas. Projects are entirely funded by Development Charges and Ontario Ministry of Transportation intersection warrants must be achieved before reimbursement of works can occur. Design and construction costs such as traffic signals, turning lanes and roundabouts are eligible on major collector or arterial roads.</p>			<b>2021 Request</b>	<b>12,000</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	0	Tax Supported/ Dedicated Debt			0
			Rate Supported	0	Rate Supported Debt			0
			Develop. Charges	12,000	Develop. Charges Debt			0
			Gas Tax	0	Gas Tax Debt			0
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	12,000	9,288	8,321	9,017	
			Spending Plan	7,200	9,173	8,979	8,835	
			FTE's	0	0	0	0	
Operating Impact	28	78	67	62				





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Project Information			Financial Details				
<b>910177 2021 Development Sidewalks</b>			<b>Class of Estimate: C) Planning</b>				
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023				
Funding is required for the design and construction of sidewalk linkages that cannot be secured from developments under the Planning Act resulting in gaps in pedestrian connectivity. Projects typically address situations where existing communities need to be linked to a new development across vacant land.			<b>2021 Request</b>	<b>171</b>	Projected Yearend Unspent Bal.		0
			Revenues	0	Debt		
			Tax Supported/ Dedicated	9	Tax Supported/ Dedicated Debt	0	
			Rate Supported	0	Rate Supported Debt	0	
			Develop. Charges	162	Develop. Charges Debt	0	
			Gas Tax	0	Gas Tax Debt	0	
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
			Authority	171	168	175	181
			Spending Plan	154	168	174	180
			FTE's	0	0	0	0
Operating Impact	1	1	2	2			



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Project Information			Financial Details					
<b>910178 2021 Network Modification Program</b>			<b>Class of Estimate: C) Planning</b>					
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023					
<p>The Network Modification Program strives to improve the transportation network through geometric changes in growth-related areas. Intersection studies are required to investigate and evaluate alternative solutions, obtain public input and prioritize projects.</p>			<b>2021 Request</b>	<b>3,700</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	629	Tax Supported/ Dedicated Debt			0
			Rate Supported	0	Rate Supported Debt			0
			Develop. Charges	3,071	Develop. Charges Debt			0
			Gas Tax	0	Gas Tax Debt			0
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	3,700	3,129	3,605	4,327	
			Spending Plan	2,960	3,243	3,510	4,183	
			FTE's	0	0	0	0	
Operating Impact	10	11	11	12				



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Project Information			Financial Details								
<b>909998 2021 Accessible Pedestrian Signal / Pedestrian Countdown Signal Prog</b>			<b>Class of Estimate: Not Applicable</b>								
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023								
<p>Currently there are 1,183 traffic control signals in Ottawa and 1,008 locations are equipped with audible pedestrian signal features and 1,034 are equipped with Pedestrian Countdown Signals (PCS). Staff currently equip all new traffic control signals and those undergoing major rehabilitation with PCS and Accessible Pedestrian Signals (APS) to comply with the Design of Public Spaces Standards of the Accessibility for Ontarians with Disabilities Act, 2005 (AODA). The cost to install APS and PCS in these cases are absorbed within the associated capital project. This annual Accessible Pedestrian Signal / Pedestrian Countdown Signal Program also funds the retrofit of existing traffic control signals with accessible pedestrian devices, at locations specifically requested by pedestrians with disabilities or through community groups. This program was created out of Council direction from Report ACS2009-CCV-AAC-0002.</p>			<b>2021 Request</b>		614		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		614		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		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		614		626		638		651
			Spending Plan		614		626		638		651
			FTE's		0		0		0		0
			Operating Impact		0		0		0		0
			<b>909999 2021 Pedestrian Safety Evaluation Program</b>			<b>Class of Estimate: Not Applicable</b>					
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023								
<p>Pedestrian safety is an integral component of the City's road safety strategy. The Pedestrian Safety Evaluation Program (PSEP) is a customized process that combines traffic engineering with public engagement, for prioritizing and programming pedestrian related road safety improvements to signalized and non-signalized intersections. Intersections are ranked based on risk to pedestrians, collision history, and public feedback. The goal of this program is to mitigate the frequency and severity of preventable collisions involving pedestrians, by providing guidance in the selection of cost-effective countermeasures. The PSEP is used in conjunction with the current Safety Improvement Program (SIP) studies, in the preliminary design stages of capital rehabilitation projects. Service Enhancement funding will enable the program to have a greater impact on the safety and mobility of pedestrians, with the ability to implement geometric modifications to one of the highest ranked locations every year. Locations identified for modifications will be selected annually as per the existing program.</p>			<b>2021 Request</b>		389		Projected Yearend Unspent Bal.		0		
			Revenues		0		Debt				
			Tax Supported/ Dedicated		389		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		
			<b>Forecast</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>
			Authority		389		396		404		412
			Spending Plan		389		396		404		412
			FTE's		0		0		0		0
			Operating Impact		0		0		0		0

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<b>910021 2021 Traffic &amp; Pedestrian Safety Enhancement Program - Ward Initiative</b>			<b>Class of Estimate: Not Applicable</b>						
Dept: Transportation Services Department	Category: Growth	Ward: CW	Year of Completion: 2023						
<p>2021 Traffic &amp; Pedestrian Safety Enhancement Program - Ward Initiatives  Traffic Services works collaboratively with each Ward Councillor to identify sites for the enhancement of road safety through the installation of temporary traffic calming measures. Examples of treatments covered by the program include:</p> <ul style="list-style-type: none"> <li>• Speed display boards (permanent or temporary);</li> <li>• Pavement markings such as speed limits, "School/École", "Slow/Lent";</li> <li>• Flexible centreline signage and Cycling delineators;</li> <li>• Community entrance signage, gateway speed limit signage and permanent "Slow Down for Us" signage;</li> <li>• Planters on local streets to create chicanes;</li> <li>• Flexible posts to create bulb outs or chicanes;</li> <li>• Warranted Pedestrian Crossovers;</li> <li>• Permanent Speed Humps or speed tables;</li> <li>• Median narrowing islands or pedestrian refuge islands.</li> </ul> Locations will be identified in consultation with Ward Councillors in Q4 2020 and Q1 2021.			<b>2021 Request</b>		806		Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt		
			Tax Supported/ Dedicated		806		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
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		806	822	838	855	
			Spending Plan		806	822	838	855	
			FTE's		0	0	0	0	
Operating Impact		0	0	0	0				
<b>910022 2021 Pedestrian Crossover Program</b>			<b>Class of Estimate: Not Applicable</b>						
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023						
<p>The Pedestrian Crossover Program supports the installation of pedestrian crossovers (PXOs) as a type of traffic control in Ottawa. Crossovers and their associated crosswalks are located at low speed, low-medium volume intersections, midblock and at roundabouts. They provide pedestrians the right of way over vehicles when crossing the road. The program's processes and criteria are established based on Provincial regulations to address warrants, to determine PXO locations and to select the appropriate type of PXO. The program complements other sustainable transportation programs, promotes walking as a form of transportation and exercise, supports accessibility, enhances senior mobility and is relied upon by OSTA for children's active transportation to and from school.</p>			<b>2021 Request</b>		512		Projected Yearend Unspent Bal.	0	
			Revenues		0		Debt		
			Tax Supported/ Dedicated		512		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
			<b>Forecast</b>		<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority		512	522	532	543	
			Spending Plan		512	522	532	543	
			FTE's		0	0	0	0	
Operating Impact		0	0	0	0				

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Project Information			Financial Details					
<b>910023 2021 Cycling Safety Program</b>			<b>Class of Estimate: Not Applicable</b>					
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023					
<p>The Cycling Safety Improvement Program (CSIP) ensures a well-defined process which combines traffic engineering, observed behaviours, and risk mitigation measures to enable on-going road safety improvements, for benefit to cyclists within the City of Ottawa. Since 2012, Traffic Services staff have been coordinating the CSIP, focusing on identifying problem locations, making recommendations for improvements, and proposing a process for continuous improvement of cycling safety. Proposed recommendations to enhance specific locations are identified following consultation with members of the public and occasionally through project specific Working Groups. The goal is to improve 10 locations per year, by way of installing pavement markings and signs, or implementing minor geometric changes to the roadway.</p>			<b>2021 Request</b>	<b>107</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	107	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	107	110	112	114	
			Spending Plan	107	110	112	114	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				
<b>910024 2021 Safer Roads Ottawa</b>			<b>Class of Estimate: Not Applicable</b>					
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023					
<p>Safer Roads Ottawa (SRO) is a partnership between Ottawa Fire Services, Ottawa Paramedic Service, Ottawa Police Service, Ottawa Public Health, and the Transportation Services Department, who are committed to preventing or eliminating road deaths and serious injuries for all people in the City of Ottawa. This is accomplished through culture change, community engagement, and development of a sustainable safe transportation environment. Safer Roads Ottawa acts as the umbrella program and key point of contact for all road safety initiatives originating from the City of Ottawa. The goal is to ensure that all corporate road safety initiatives are coordinated and fully supported by the City's internal partners, while developing, engaging, and investing in various community road safety partners.</p> <p>Service Enhancement funding will be used to develop enhanced city-wide programming, including more robust awareness campaigns and outreach activities, based on the focus areas of the 2019 Updated Strategic Road Safety Action Plan.</p>			<b>2021 Request</b>	<b>430</b>	Projected Yearend Unspent Bal.		0	
			Revenues	0	Debt			
			Tax Supported/ Dedicated	430	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	430	438	447	456	
			Spending Plan	430	438	447	456	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				



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Project Information			Financial Details					
<b>910212 2021 Road Safety Action Program</b>			<b>Class of Estimate: Not Applicable</b>					
Dept: Transportation Services Department	Category: Service Enhancements	Ward: CW	Year of Completion: 2023					
<p>This program funds the 2021 initiatives identified under the 2020-2024 Strategic Road Safety Action Plan (SRSAP). The SRSAP identifies priority areas for road safety, along with countermeasures and initiatives that can be implemented to address associated collision types. Priority areas have been identified using a data driven approach and associated countermeasures and initiatives to enhance safety and have been developed in consultation with key stakeholders and align with safe system principles of road safety (Vision Zero).</p>			<b>2021 Request</b>	<b>4,000</b>	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
			<b>Forecast</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	
			Authority	4,000	0	0	0	
			Spending Plan	4,000	0	0	0	
			FTE's	0	0	0	0	
Operating Impact	0	0	0	0				

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Project Description	2021	2022	2023	2024	Total
<b>Fleet Services</b>					
<b>Renewal of City Assets</b>					
910002 Mun. Fleet UpFits, Facil. & Tools 2021	280	280	280	280	1,120
910014 Lifecycle Renewal Fleet - 2021	23,215	36,500	21,500	29,000	110,215
<b>Renewal of City Assets Total</b>	<b>23,495</b>	<b>36,780</b>	<b>21,780</b>	<b>29,280</b>	<b>111,335</b>

<b>Fleet Services Total</b>	<b>23,495</b>	<b>36,780</b>	<b>21,780</b>	<b>29,280</b>	<b>111,335</b>
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<b>Integrated Roads, Water &amp; Wastewater</b>					
<b>Renewal of City Assets</b>					
906735 Bank St (Riverside-Ledbury)	5,600	37,477	-	-	43,077
906900 Main Greenfield Echo Concord et al	5,142	5,142	5,142	5,142	20,568
906901 CWWF ORAP - Loretta Ave N&S - Laurel St	8,466	-	-	-	8,466
908137 CWWF Deerpark-Hilliard-Fisher et al.	-	-	4,568	-	4,568
908138 CWWF Avenue N-O-P-Q-R-S-T-U	9,491	-	-	-	9,491
908139 Montreal Rd (N River Rd-St Laurent Blvd)	8,227	5,030	-	-	13,257
908140 City Centre Ave & Elm St	-	-	3,984	-	3,984
908141 ORAP Albert St-Bronson Ave-Slater St	6,000	19,325	-	-	25,325
908567 Alta Vista Dr	-	3,600	-	14,400	18,000
908570 Byron-Athlone-Highcroft	14,380	-	-	-	14,380
908572 Fairbairn-Bellwood-Willard-Belmont	1,339	-	-	-	1,339
908574 Grove Ave & Grosvenor	-	-	8,463	-	8,463
908580 CWWF Queensway Terrace North Sewer	3,037	3,037	3,037	3,037	12,148
908581 Valley Dr Storm Sewer	3,885	3,885	3,885	3,885	15,540
908646 Integrated Construction - Bulk Prjs	-	-	-	62,225	62,225
908998 LRT2 R2 Hwy 174 Resurfacing EBL	723	-	-	-	723
909012 Bronson Ave (Arlington-Rideau Canal)	-	-	-	22,632	22,632
909021 Woodroffe Ave (Anthony - Byron)	-	900	-	2,100	3,000
909394 Arch - Canterbury - Plessier	10,777	-	-	-	10,777
909400 Bel-Air Dr, Bedbrooke St et al	12,779	-	-	-	12,779
909401 Broadview Ave	927	-	-	-	927
909402 Caroline Ave - Huron Ave N	-	6,958	-	-	6,958
909406 Integrated Design - Bulk Prjs	-	20,000	25,000	30,000	75,000
909407 Longpre - Marquette- Michel Cir	-	-	8,927	-	8,927

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Project Description	2021	2022	2023	2024	Total
909408 Monk - Oakland -Wilton	-	-	4,623	-	4,623
909409 Winona Ave & Wilmont Ave	-	2,782	-	-	2,782
909485 Carling Ave - Churchill Ave - Kirkwood	-	-	10,289	-	10,289
909731 Piccadilly Ave (Wellington - Bassett)	-	1,829	-	-	1,829
909732 Maclaren St - Lyon St	-	8,424	-	-	8,424
909733 Pretoria Ave (Metcalfe-Bank)	-	-	2,107	-	2,107
909849 Albert St. - Slater St. (Bay to Elgin)	-	-	11,027	-	11,027
910045 2021 Surveys & Mapping	320	340	380	660	1,700
910088 2021 Infrastructure Assess & Data Collec	340	400	400	440	1,580
910089 2021 Integrated Scoping Pre/Post Eng	1,000	1,000	1,000	1,100	4,100
910090 2021 Road Resurfacing - CW	36,890	47,206	38,345	39,050	161,491
910091 2021 Comprehensive Asset Management	360	360	360	360	1,440
910092 Breezehill Ave N (Gladstone - Somerset)	1,172	-	3,515	-	4,687
910105 Drouin Ave (North River - West Presland)	684	-	1,596	-	2,280
910106 James St Kent St (Bronson - Bank)	2,445	-	7,335	-	9,780
910107 Arnhem St and Apeldoorn Ave	1,588	-	4,764	-	6,352
910108 Clare Dovercourt (Chruchill - Hilson & T	2,180	-	6,540	-	8,720
910109 Ferndale Ave (Churchill Ave N - Selby Av	731	-	1,705	-	2,436
910110 Farnham, Eastbourne and Ava	1,615	-	4,843	-	6,458
910111 Glebe (Bank - O'Connor)	751	-	1,754	-	2,505
910112 Oakhill and Corona (Acaia - Beechwood)	732	-	1,708	-	2,440
910113 Summit Ave (Alta Vista - Fairbanks)	1,272	-	2,968	-	4,240
<b>Renewal of City Assets Total</b>	<b>142,853</b>	<b>167,695</b>	<b>168,265</b>	<b>185,031</b>	<b>663,844</b>
<b>Integrated Roads, Water &amp; Wastewater Total</b>	<b>142,853</b>	<b>167,695</b>	<b>168,265</b>	<b>185,031</b>	<b>663,844</b>
<b>Transit Services</b>					
<b>Renewal of City Assets</b>					
910179 2021 TMP Studies	760	785	822	848	3,215
<b>Renewal of City Assets Total</b>	<b>760</b>	<b>785</b>	<b>822</b>	<b>848</b>	<b>3,215</b>

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<b>Growth</b>					
906936 2017 to 2022 TRANS Projects	-	1,509	-	-	1,509
907436 Baseline Rd BRT (Baseline Stn-Heron Stn)	2,400	30,587	30,745	31,251	94,983
910180 2024-2026 Origin Destination Survey (Tra	-	-	-	530	530
910181 2021 TMP Transit Priority Network	22,500	17,710	26,439	26,961	93,610
910182 2021 Park and Ride Facilities	1,730	1,794	1,862	1,941	7,327
910183 2021 Transit Corridor Protection	1,840	1,907	1,987	2,058	7,792
910184 2021 Rapid Transit EA Studies	1,080	1,122	1,165	1,209	4,576
<b>Growth Total</b>	<b>29,550</b>	<b>54,629</b>	<b>62,198</b>	<b>63,950</b>	<b>210,327</b>

<b>Transit Services Total</b>	<b>30,310</b>	<b>55,414</b>	<b>63,020</b>	<b>64,798</b>	<b>213,542</b>
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<b>Transportation Services</b>					
<b>Renewal of City Assets</b>					
905530 Bridges & Bculverts - Bulk Prjs	-	-	-	3,200	3,200
906139 LCR - On/Off Street Payment Systems 2018	-	1,400	1,400	1,400	4,200
907031 Porters Island Bridge SN013250	-	-	-	5,920	5,920
907324 St Patrick St Bridge [013320]	-	1,140	12,010	-	13,150
908583 Bank St Sawmill Crk [057470]	485	-	-	-	485
908589 Belfast Rd O/P VIA [055980]	2,310	-	-	-	2,310
908597 MacKenzie King Bridge [012200-1]	-	11,000	-	-	11,000
908600 Old Railway RR Ped [018600]	-	1,470	-	10,650	12,120
908955 Airport Parkway O/P [226010]	-	890	5,240	-	6,130
908956 Booth St Bridge [017030]	-	1,590	-	-	1,590
909438 2019 Bridge Structures - CW	600	-	-	790	1,390
909706 2020 Bridges Structures - CW	12,305	-	-	200	12,505
910003 2021 LCR Traffic Control Signals	1,688	1,721	1,756	1,790	6,955
910004 2021 LCR Traffic Monitoring System	415	423	432	441	1,711
910013 2021 Street Lighting Major Replacements	2,328	2,374	2,422	2,469	9,593
910016 Roads Equipment Replacement (2021)	195	200	205	210	810
910017 Ice-Snow Control and RWIS Tech (2021)	300	305	315	320	1,240
910018 2021 LCR - PWES Works Yard	320	325	330	340	1,315
910043 2021 Buildings-Road Services	3,375	800	800	880	5,855
910046 2021 Public Realm Intervention	750	750	750	770	3,020

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910095 2021 Preservation - CW	4,837	5,800	6,000	6,500	23,137
910096 2021 Preservation - Other	200	200	200	220	820
910097 2021 Roadway Network Engineering	1,000	1,000	1,000	1,100	4,100
910098 2021 Structures - Site-Specific	1,000	1,000	1,000	1,100	4,100
910099 2021 Misc Structural Renewal - CW	340	620	710	135	1,805
910100 2021 Structures Scoping Pre/Post Eng	500	600	600	660	2,360
910101 2021 Bridge Structures - CW	8,095	10,895	7,695	7,405	34,090
910103 2021 Sidewalks & Pathways - CW	8,700	5,706	6,372	8,000	28,778
910104 2021 Sidewalks & Pathways - Other	200	200	200	220	820
910162 2021 Pedestrian Access-Intersect & Ramp.	231	236	240	217	924
910163 2021 Active Transportation Missing Links	1,276	1,094	265	255	2,890
910164 2021 TMIP Richmond Rd/Westboro	476	464	349	-	1,289
910213 Lifecycle Renewal - Parking Facilities	1,275	750	1,030	900	3,955
910214 On-Street Facility Modification (2021)	300	500	150	155	1,105
910220 Lifecycle Renewal - Parking Facility Imp	200	750	765	780	2,495
<b>Renewal of City Assets Total</b>	<b>53,701</b>	<b>54,203</b>	<b>52,236</b>	<b>57,027</b>	<b>217,167</b>

Growth					
903159 Airport Parkway (Brookfield - Hunt Club)	7,364	-	19,146	13,788	40,298
903163 Bank Street (Leitrim to Dun Skipper)	18,900	16,415	2,288	4,846	42,449
904995 Earl Grey/Centrum Underpass	844	12,489	-	-	13,333
905479 Huntley Yard Winter Mat Stor Fac-Rep&Exp	2,946	-	-	-	2,946
907339 Chapman Mills Dr (Greenbank-Longfields)	-	-	3,937	-	3,937
907403 Mer Bleue Rd (Brian Coburn to Renaud)	-	-	5,959	-	5,959
907405 Strandherd Dr Ph2(Maravista to Jockvale)	9,667	-	-	-	9,667
907479 Brian Coburn Ext. (Navan to Innes @ Blair)	-	-	-	12,197	12,197
909023 Works Yard Facilities- New Growth Svce	4,850	4,950	5,050	5,150	20,000
909042 Robert Grant (Hazeldean to Abbott)	-	-	10,401	10,118	20,519
909779 Robert Grant (Palladium to Palladium Realigned)	-	10,952	-	-	10,952
909851 Antares SDF Design & Construction	-	4,687	-	-	4,687
910010 2021 New Traffic Control Devices	2,465	2,514	2,564	2,615	10,158
910011 2021 Safety Improvement Program	1,033	1,053	1,075	1,096	4,257
910012 2021 Traffic Incident Management	411	419	428	436	1,694
910015 Roads Services Vehicle & Equip (2021)	-	970	990	1,010	2,970

**City Of Ottawa  
2021 Draft Capital Budget  
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Four Year Forecast Summary  
In Thousands \$(000's)**

Project Description	2021	2022	2023	2024	Total
910019 2021 Winter Materials Storage Facility	575	585	600	625	2,385
910020 2021 Advanced Traffic management Program	411	419	428	436	1,694
910021 2021 Traffic & Pedestrian Safety Enhance	806	822	838	855	3,321
910134 2021 EA Studies Arterial Rds	-	1,565	1,597	1,628	4,790
910170 2021 Cycling & Pedestrian Major Structure	2,570	2,129	2,394	2,754	9,847
910171 2021 Pedestrian Facilities Program	2,814	2,869	2,661	1,945	10,289
910172 2021 Cycling Facilities Program	5,023	4,817	5,002	5,194	20,036
910173 2024-2026 Origin-Destination Survey (Roa	-	-	-	1,009	1,009
910174 2021 Transportation Demand Management	348	355	362	392	1,457
910175 2021 Neighbourhood Traffic Calming	2,046	2,086	2,507	1,085	7,724
910176 2021 Intersection Control Measures	12,000	9,288	8,321	9,017	38,626
910177 2021 Development Sidewalks	171	168	175	181	695
910178 2021 Network Modification Program	3,700	3,129	3,605	4,327	14,761
910221 Parking Studies - DC (2021)	345	255	260	265	1,125
<b>Growth Total</b>	<b>79,289</b>	<b>82,936</b>	<b>80,588</b>	<b>80,969</b>	<b>323,782</b>
<b>Service Enhancements</b>					
908553 Albert/Slater/Mackenzie (Empress-Waller)	-	3,182	3,246	-	6,428
909998 2021 Accessible Pedestrian Signal / Pede	614	626	638	651	2,529
909999 2021 Pedestrian Safety Evaluation Program	389	396	404	412	1,601
910022 2021 Pedestrian Crossover Program	512	522	532	543	2,109
910023 2021 Cycling Safety Program	107	110	112	114	443
910024 2021 Safer Roads Ottawa	430	438	447	456	1,771
910212 2021 Road Safety Action Program	4,000	-	-	-	4,000
<b>Service Enhancements Total</b>	<b>6,052</b>	<b>5,274</b>	<b>5,379</b>	<b>2,176</b>	<b>18,881</b>
<b>Transportation Services Total</b>	<b>139,042</b>	<b>142,413</b>	<b>138,203</b>	<b>140,172</b>	<b>559,830</b>
<b>Grand Total</b>	<b>335,700</b>	<b>402,302</b>	<b>391,268</b>	<b>419,281</b>	<b>1,548,551</b>

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
<b>Fleet Services</b>					
908867 Lifecycle Renewal Fleet	24,000	19,388	4,612	4,165	447
909282 Lifecycle Renewal Fleet	36,615	19,472	17,143	11,912	5,231
909619 Lifecycle Renewal Fleet - 2020	28,753	1,739	27,014	27,323	(309)
909620 Mun. Fleet Upfits, Facil. & Tools 2020	280	8	272	66	206
<b>Fleet Services Total</b>	<b>89,648</b>	<b>40,607</b>	<b>49,041</b>	<b>43,466</b>	<b>5,575</b>
<b>Integrated Roads, Water &amp; Wast</b>					
905581 O-OTM Carling Ave (Bronson-Bayswater)	5,500	1,581	3,919	697	3,222
906056 Albert St / Scott St	13,499	6,094	7,405	1,637	5,768
906457 O-OTM Bronson Ave (Laurier-Arlington)	27,421	25,602	1,819	343	1,476
906531 Comprehensive Asset Management	1,130	708	422	248	174
906579 O-OTM Main St (Echo-Springhurst)	21,873	20,706	1,167	1,103	64
906586 O-OTM Bronson (Canal-Carling)	2,000	1,737	263	219	44
906635 O-OTM Hurdman-St-Laurent WM Relocate	26,100	25,979	121	27	94
906735 Bank St (Riverside-Ledbury)	6,392	1,146	5,246	1,167	4,078
906737 Queen St (Bronson-Elgin)	5,349	4,486	863	45	818
906875 Aylmer - Fulton - Carlyle - Rosedale	11,905	10,908	997	829	167
906882 Elgin (Lisgar - Isabella)	39,713	34,259	5,454	3,109	2,345
906884 Glengarry-Onslow-Beckwith-Belgrave	10,046	8,643	1,403	589	814
906890 CWWF Lavergne-Joliet-Ste Cecile	22,277	17,115	5,162	922	4,240
906892 Renfrew (Bronson - Dead End)	5,947	4,669	1,278	653	625
906900 Main Greenfield Echo Concord et al	2,690	1,443	1,247	1,031	217
906901 CWWF ORAP - Loretta Ave N&S - Laurel St	10,335	5,154	5,181	1,406	3,776
907782 River Lane (Keefer-Dufferin)	1,829	1,654	174	192	(17)
907784 CWWF Cody-Mance-Levis-Cyr-Kendall-Savard	7,607	5,420	2,187	709	1,478
907787 Prince of Wales - Dynes	20,267	17,615	2,652	1,585	1,068
907788 McLeod St - Lyon St	6,862	4,939	1,923	1,026	896
907954 Manotick Pump Station Overflow	535	-	535	-	535

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
908134 Iona - Broadhead	6,740	6,441	299	184	115
908137 CWWF Deerpark-Hilliard-Fisher et al.	30,920	1,475	29,445	13,390	16,055
908138 CWWF Avenue N-O-P-Q-R-S-T-U	9,950	593	9,357	540	8,817
908139 Montreal Rd (N River Rd-St Laurent Blvd)	47,350	14,563	32,787	26,405	6,382
908141 ORAP Albert St-Bronson Ave-Slater St	3,700	743	2,957	1,943	1,013
908142 CWWF McLeod - Florence	9,655	7,605	2,050	1,218	832
908297 Leadership in Asset Management Program	240	141	99	94	4
908370 Integrated Departmental Mgmt Plan	9,700	8,529	1,170	1,084	87
908480 2017 Infrastructure Assess & Data Coll	2,500	1,282	1,218	114	1,104
908487 2019 Integrated Scoping Pre/Post Eng	806	381	425	190	235
908567 Alta Vista Dr	200	145	55	-	55
908568 Ashburn - Hogan - Wigan - Ness	12,040	5,740	6,300	3,235	3,065
908569 Borthwick-Quebec-Gardenvale	6,690	2,023	4,667	3,271	1,396
908570 Byron-Athlone-Highcroft	1,790	102	1,688	422	1,267
908571 Catherine St (Bronson-Elgin)	200	143	57	29	28
908572 Fairbairn-Bellwood-Willard-Belmont	7,240	662	6,578	3,823	2,755
908573 Gibson-Denver-Tampa-Orlando	4,300	3,491	809	524	285
908574 Grove Ave & Grosvenor	1,050	323	727	174	552
908575 Isabella-Chamberlain	50	48	2	3	(1)
908577 Mailes Ave (Patricia-Oakdale)	3,460	2,746	714	606	108
908578 Ryder St - Featherston Dr	-	-	-	-	-
908582 N River Rd (Montreal-Dead EndNof Coupal)	3,300	1,587	1,713	771	942
908645 St Denis - Lavergne - Ste Monique	15,410	827	14,583	14,733	(150)
908672 PTIF-Richmond Rd-Sidewalk Reconstruct-43	1,750	1,401	349	82	267
908726 CWWF Vanier Parkway - Presland Rd et al	7,560	2,552	5,008	3,105	1,904
908835 Mann-Range-Russell-Templeton	12,320	4,538	7,782	4,925	2,858
908916 2018 Surveys & Mapping	270	192	78	-	78
908940 2018 Infrastructure Assess & Data Collec	2,000	1,419	581	204	378
908941 2018 Scoping Pre/Post Engineering	244	(22)	266	111	155



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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
908949 2018 Road Resurfacing - CW	49,464	47,350	2,113	1,320	793
908998 LRT2 R2 Hwy 174 Resurfacing EBL	2,277	-	2,277	-	2,277
909012 Bronson Ave (Arlington-Rideau Canal)	7,312	5,270	2,042	1,716	326
909272 Scott St. (West of Smirle Ave)	8,080	768	7,312	6,093	1,220
909373 2019 Infrastructure Assess & Data Collec	400	209	191	148	43
909374 2019 Road Resurfacing - CW	52,050	44,765	7,285	1,471	5,813
909394 Arch - Canterbury - Plesser	800	167	633	261	372
909400 Bel-Air Dr, Bedbrooke St et al	1,330	71	1,259	641	618
909401 Broadview Ave	300	-	300	151	149
909402 Caroline Ave - Huron Ave N	4,110	3	4,107	1,745	2,362
909404 Claymor & Senio	8,130	573	7,557	5,410	2,147
909405 Hamlet Rd	2,310	340	1,970	1,270	701
909406 Integrated Design - Bulk Prjs	-	-	-	-	-
909407 Longpre - Marquette- Michel Cir	2,400	-	2,400	-	2,400
909408 Monk - Oakland -Wilton	1,560	-	1,560	-	1,560
909409 Winona Ave & Wilmont Ave	980	1	979	-	979
909475 2019 Surveys & Mapping	320	139	181	161	20
909485 Carling Ave - Churchill Ave - Kirkwood	1,900	241	1,659	574	1,086
909589 Sullivan Ave.	1,460	1,289	171	178	(8)
909691 2020 Infrastructure Assess & Data Collec	400	60	340	152	188
909692 2020 Intrated Scoping Pre/Post Eng	1,000	-	1,000	-	1,000
909693 2020 Road Resurfacing - CW	41,617	21,478	20,139	7,714	12,426
909731 Piccadilly Ave (Wellington - Bassett)	500	-	500	-	500
909732 Maclaren St - Lyon St	2,550	-	2,550	-	2,550
909733 Pretoria Ave (Metcalf-Bank)	910	5	905	-	905
909739 2020 Surveys & Mapping	260	31	229	25	205
909751 2020 Comprehensive Asset Management	360	-	360	165	195
909849 Albert St. - Slater St. (Bay to Elgin)	11,110	-	11,110	-	11,110
<b>Integrated Roads, Water &amp; Wast Total</b>	<b>654,600</b>	<b>392,283</b>	<b>262,317</b>	<b>127,909</b>	<b>134,408</b>

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
<b>Transit Services</b>					
903274 West Transitway (Pinecrest to Bayshore)	45,100	42,076	3,024	2,094	929
904482 Western Transitway (Bayshore-Moodie)	43,436	39,486	3,950	690	3,261
906558 2012 TRANS Projects	1,329	1,006	323	153	171
906936 2017 to 2022 TRANS Projects	1,220	447	773	324	449
907065 2014 TMP Supplemental Transit Network	2,070	648	1,422	24	1,398
907432 2014 Park and Ride Facilities	1,468	360	1,108	-	1,108
907433 2014 Rapid Transit EA Studies	2,981	2,251	730	662	69
907434 2014 Transit Corridor Protection	2,070	55	2,015	-	2,015
907436 Baseline Rd BRT (Baseline Stn-Heron Stn)	6,000	-	6,000	-	6,000
907801 Queen Street Streetscaping	20,000	15,767	4,233	5,105	(871)
907837 2015 Rapid Transit EA Studies	410	144	266	163	104
907838 2015 Transit Corridor Protection	2,140	-	2,140	-	2,140
907839 2015 Park and Ride Facilities	1,340	-	1,340	-	1,340
908238 2016 Park and Ride Facilities	5,047	2,777	2,270	-	2,270
908239 2016 Transit Corridor Protection	5,240	-	5,240	-	5,240
908358 Chapel Hill Park & Ride	8,500	7,969	531	428	103
908549 2017 Park and Ride Facilities	1,600	-	1,600	-	1,600
908550 2017 Transit Corridor Protection	1,700	-	1,700	-	1,700
908551 2017 Transportation Master Plan	700	556	144	126	18
908552 2019 Origin Destination Survey (Transit)	438	-	438	394	44
908554 2017 Rapid Transit EA Studies	2,500	6	2,494	289	2,205
908564 2017 TMP Transit Priority Network	1,500	392	1,108	68	1,040
908665 PTIF 033 Baseline Corr-Bayshore-Billings	12,000	4,866	7,134	849	6,286
908666 PTIF 036 ChapmanMills BeatriceLongfields	3,000	2,772	228	-	228
908667 PTIF 029 Kanata LRT Extension - EA	3,000	1,680	1,320	900	420
908751 2018 Transportation Master Plan	700	-	700	700	-
908770 2018 TMP Transit Priority Network	4,000	-	4,000	4,000	-

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
909064 2018 Transit Corridor Protection	1,700	-	1,700	-	1,700
909065 2018 Park and Ride Facilities	1,600	-	1,600	-	1,600
909067 2018 Rapid Transit EA Studies	1,200	129	1,071	824	247
909319 2019 Street Lighting Major Replacements	2,849	1,430	1,419	1,311	108
909459 2019 TMP Transit Priority Network	6,300	-	6,300	6,300	-
909460 2019 Transportation Master Plan	767	58	709	671	38
909461 2019 Park and Ride Facilities	1,629	-	1,629	-	1,629
909462 2019 Transit Corridor Protection	1,731	-	1,731	-	1,731
909523 Fleet Maintenance Technology System	1,900	46	1,854	48	1,806
909616 LRT2 Transit Infr. Condition Assessment	125	-	125	-	125
909791 2020 TMP Transit Priority Network	9,329	-	9,329	-	9,329
909792 2020 Prk and Ride Facilities	1,658	-	1,658	-	1,658
909793 2020 Transit Corridor Protection	1,761	-	1,761	-	1,761
909794 2020 Rapid Transit EA	1,036	-	1,036	-	1,036
<b>Transit Services Total</b>	<b>213,074</b>	<b>124,921</b>	<b>88,153</b>	<b>26,122</b>	<b>62,031</b>
<b>Transportation Services</b>					
900635 Alta Vista Corridor (Riverside-Hospital)	65,320	62,694	2,626	1,533	1,093
902997 DCA-Abbott Street	782	417	365	6	358
903159 Airport Parkway (Brookfield - Hunt Club)	-	-	-	-	-
903164 DCA-BrianCobourn(Mer Bleue-10thLine)	3,426	3,319	107	-	107
903171 ENCB*Greenbank Rd (Malvern - Strandherd)	42,899	42,363	536	349	187
903176 ENCB*Hunt Club (Russell/Hwy 417)	58,743	57,788	955	538	417
903196 Campeau Dr (Huntmar to Didsbury)	32,205	13,697	18,508	6,785	11,723
903219 ENCB*Tenth Line Rd(Innes- HarvestValley)	14,964	14,904	60	-	60
903242 Chapman Mills Dr (Woodroffe-Longfields)	2,377	-	2,377	2,050	327
903601 2010 Richardson & Huntmar TCS	3,450	637	2,812	1,863	949
904995 Earl Grey/Centrum Underpass	1,500	504	996	178	817
905215 Trim Rd (Ott Rd 174 to Innes)	31,900	31,778	122	119	3

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
905394 BHBP Ext Design (Innes to Brian Coburn)	2,060	252	1,808	1,638	170
905478 Trim Road Yard Facility Expansion	9,532	9,532	0	-	0
905530 Bridges & Bculverts - Bulk Prjs	-	-	-	-	-
905719 Strandherd / Armstrong Bridge	56,016	71,311	(15,295)	3,527	(18,822)
905931 2017 Area Traffic Management	670	281	389	262	127
906387 Works Yard Facilities- New Growth Svce	6,152	103	6,049	295	5,754
906542 2019 Origin Destination Survey (Roads)	865	-	865	765	100
906750 O-OTM East West Bikeway Section D	1,211	814	398	183	215
906808 2013 New Parking Facilities - Glebe	9,164	8,180	984	1,133	(150)
906920 Kanata South Link (Hope Side to Hwy 416)	42,932	24,024	18,908	8,530	10,378
907019 Harmer Ave Ped Bridge over Hwy 417	13,274	11,591	1,683	1,260	423
907031 Porters Island Bridge SN013250	688	242	446	189	257
907067 PTIF 037Rideau Canal Crossing-FifthClegg	21,000	18,367	2,633	683	1,950
907254 Winter Materials Storage Facility	911	432	479	-	479
907262 2014 Street Lighting Major Replacements	2,351	2,318	33	9	24
907272 2014 Safety Improvement Program	1,585	1,161	424	361	63
907324 St Patrick St Bridge [013320]	-	-	-	-	-
907397 2014 EA Studies Arterial Rds	2,036	1,896	140	129	11
907398 2015-2017 Cycling Facilities Program SI	418	39	379	-	379
907399 2015-2018 Pedestrian Facilities Program	2,238	2,107	130	-	130
907405 Strandherd Dr Ph2(Maravista to Jockvale)	84,273	5,349	78,924	60,776	18,149
907444 DCA-Greenbank Rd (Cambrian - Kilbernie)	5,788	-	5,788	-	5,788
907448 2014 Pedestrian Facilities Program	750	517	233	5	227
907451 2014 Network Modification Program	5,639	4,713	926	39	887
907551 DCA-Brian Coburn (Portobello-Montmere)	3,057	2,883	174	-	174
907553 DCA-Signals - Bank St at Analedea	179	0	179	179	-
907660 Greenboro-Hunt Club NH Bikeway	190	78	112	-	112
907703 2015 Street Lighting Major Replacements	2,308	2,270	38	31	7
907704 McIlraith Bridge Rehabilitation	14,582	14,051	531	36	495

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
907712 2015 Safety Improvement Program	1,700	1,249	451	164	287
907847 2015-2018 Community Connectivity SI	1,901	556	1,345	1,225	120
907848 2015 Cycling & Ped Major Structures Prog	2,355	193	2,162	550	1,612
907849 Gerald Street Pathway	276	8	268	-	268
907873 2015 EA Studies Arterial Rds	484	370	114	202	(88)
907875 2015 Development Sidewalks	210	160	50	33	17
907892 Hospital Link Pathway	636	324	312	47	266
907903 Rideau Street Streetscaping	14,636	4,570	10,066	7,017	3,049
907966 Public Works Maint Mgmt System Project	2,386	1,157	1,229	-	1,229
907984 Traffic&Ped. Safety Enh Prog-Ward Ini.SI	5,600	5,602	(2)	34	(36)
907997 CC4 Ogilvie Rd. MUP	2,684	2,071	614	386	228
908001 CC13 Cycling signage & promotion	100	41	59	7	52
908002 P1-8 Nepean Trail	1,637	1,417	220	57	163
908004 P1-10 Shefford MUP	1,720	1,687	33	-	33
908007 P1-14 Trainyards-Coronation MUP	165	138	27	-	27
908008 P1-21 Hogs Back Link-Sawmill Creek Link	200	170	30	24	6
908010 P1-29 Ackerson Rd. to OC Trailway MUP	210	174	36	-	36
908049 2016 Safety Improvement Program	998	772	226	226	(0)
908064 Lifecycle Renewal Fleet - Transportation	23,751	22,270	1,481	1,444	37
908153 2016 Structures - Site-Specific	2,390	1,413	977	219	758
908154 2019 Structures - Site-Specific	63	47	16	4	12
908156 2019 Miisc Structural Renewal - CW	590	126	464	374	91
908201 2016 New Street Lighting	335	330	5	5	(0)
908210 2016 EA Studies Arterial Rds	2,600	0	2,600	-	2,600
908218 2016 Area Traffic Management	650	631	19	4	16
908219 2016 Network Modification Program	4,110	3,492	618	197	422
908220 2016 TMIP Richmond Rd/Westboro	500	394	106	105	1
908249 Centrum Boulevard Ext. Land Acquisition	1,770	344	1,426	591	835
908276 2018 Cycling Facilities Program	179	4	175	-	175

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908289 P1-15 Woodroffe (Norice to College)	297	60	237	-	237
908293 CC7c Pimisi MUP (Stn to Empress)	150	26	124	27	97
908303 CC12 Cedarview to Holly Acres MUP	856	679	177	62	115
908333 CC8 Belfast Rd Trainyards MUPenhancement	563	357	206	71	136
908334 CC10 Osgoode to Manotick Link	1,203	788	415	313	102
908364 P1-9-FEA2018-Rideau River Western Path	560	-	560	-	560
908400 2017 LifeCycle Renewal Parking Facilities	1,964	1,515	449	24	425
908403 On & Off Street Parking Sys P3 Cap Pymt	3,832	-	3,832	-	3,832
908404 2017 Street Lighting Major Replacements	2,647	2,634	14	8	5
908405 2017 New Street Lighting	380	310	70	-	70
908414 2017 Safety Improvement Program	1,000	950	50	50	0
908477 Roads Asset Management System	1,925	45	1,880	30	1,850
908492 2017 Road Resurfacing - CW	31,992	31,484	508	77	431
908528 2017 Intersection Control Measures	3,600	2,427	1,173	317	857
908529 Vanguard Dr Ext EA & Functional Design	750	213	537	44	494
908553 Albert/Slater/Mackenzie (Empress-Waller)	6,742	605	6,137	59	6,078
908559 2020 Cycling & Ped Major Structures Prog	1,946	-	1,946	-	1,946
908560 2017 Pedestrian Access-Intersect & Ramp.	75	75	-	-	-
908562 2017 Network Modification Program	2,539	451	2,088	1,481	608
908563 2017 TMIP Richmond Rd/Westboro	500	7	493	17	476
908583 Bank St Sawmill Crk [057470]	70	-	70	46	24
908584 AirportPkwy NB WalkleyRamp Twin Bculvert	2,740	170	2,570	2,260	310
908587 Bank St Canal Bridge [012010]	2,260	306	1,954	1,500	454
908589 Belfast Rd O/P VIA [055980]	2,710	84	2,626	209	2,416
908596 Lemieux island Pipe Bridge SN017160	150	140	10	10	0
908597 MacKenzie King Bridge [012200-1]	11,680	238	11,442	710	10,732
908607 Transcanada Trail Ped [115020]	1,720	1,669	51	24	26
908627 PTIF 049 CC5 QED Crossing CommPark/QEPI	750	609	141	-	141
908628 PTIF 053 Trans Orleans Pathway align Mod	1,000	426	574	-	574

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908629 PTIF 046 Trillium Ph3(Carling-Dows Lake)	550	448	102	-	102
908644 2017 Pedestrian Missing Links Studies	180	29	151	111	41
908668 PTIF 031 Cycle&Ped Links at MTO O/P	2,000	272	1,728	600	1,128
908669 PTIF 051Public Transit s'walk connection	1,550	1,359	191	5	186
908670 PTIF 038Rideau R Cross-Confed-Carleton U	1,550	567	983	-	983
908671 PTIF 047AODA Enhancement of Intersection	575	42	533	-	533
908673 PTIF 042 Heron Rd Bike Colbert-Jefferson	550	422	128	-	128
908674 PTIF 041 Heron Rd Bike Trk HeronStn-Bank	650	650	-	-	-
908675 PTIF 048Hunt Club CyRiverside-PaulBenoit	550	283	267	-	267
908676 PTIF 044Kanata Ncycle link Carling/March	800	377	423	-	423
908677 PTIF 045Kanata NCycleLink Herzberg/March	1,050	1,050	-	-	-
908678 PTIF 059 MUP Ogilvie-St. Laurent Station	200	187	13	-	13
908679 PTIF 040 Rural cycling routes	4,050	1,770	2,280	7	2,273
908680 PTIF 052 McArthur Street Bike Lane	350	350	-	-	-
908681 PTIF 050Rideau R Path light&link thru pk	1,250	1,079	171	-	171
908712 PTIF-Manotick Pathway (Main St-River Rd)	1,200	474	726	-	726
908713 PTIF-Multi-Use Pathway Renewal (057)	6,120	4,490	1,630	543	1,087
908714 PTIF-Sidewalk Renewal (058)	5,110	4,874	236	4	232
908735 CWWF Carp Snow Disposal Facility	7,450	7,031	419	403	16
908774 PTIF 039 Rideau River Bank/Riverside	2,050	1,205	845	-	845
908777 FEA2021-Goulbourn Forced Road	7,000	-	7,000	-	7,000
908786 P1-11 Links to P/R Trail	150	66	84	28	55
908787 P1-23 Riverside to Rodney	70	-	70	-	70
908788 P1-25 Lowertown - New Edinburgh Bikeway	80	14	66	33	33
908789 P1-33 Citywide Enhancmnts & Bike Parking	446	178	268	45	223
908795 PTIF 011 Bicycle Shelter Tway Stations	150	146	4	-	4
908796 PTIF 012 Enclosed Bicycle parking areas	500	500	-	-	-
908810 2017 Huntmar Drive at Maple Grove Road	475	186	289	83	206
908837 PTIF 047 - AODA_Mackay	200	200	-	-	-

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908838 PTIF 047 - AODA_Churchill	100	91	9	-	9
908839 PTIF 047 - AODA_Colonnade	260	149	111	111	(0)
908851 PTIF 047 - AODA_Corktown	132	132	-	-	-
908853 2017-1 - McCurdy Drive Sidewalk	719	366	352	89	264
908854 2017-2 - March Road Sidewalk	1,086	167	919	82	837
908877 2018 Street Lighting Major Replacements	2,710	2,513	197	270	(73)
908878 2018 LCR Traffic Control Signals	1,581	1,360	221	50	171
908887 2018 Advanced Traffic management Program	400	368	32	29	3
908890 2018 Safety Improvement Program	1,000	409	591	970	(379)
908907 2017 Barnsdale at Prince of wales	4,600	1,227	3,373	5,051	(1,679)
908918 2018 Public Realm Interventions	815	618	197	161	36
908919 2019 Public Realm Minor Interventions	615	252	363	145	219
908928 2018 Buildings-Road Services	3,075	2,700	375	201	174
908947 2018 Preservation Treatments	5,194	4,254	940	9	931
908950 2018 Minor Structural Rehab	85	-	85	-	85
908952 2018 Retaining Walls	200	43	157	-	157
908953 2018 Structures - Site-Specific	665	220	445	-	445
908954 2018 Scoping Pre/Post Bridges & Cul	500	348	152	21	131
908956 Booth St Bridge [017030]	2,330	111	2,219	220	2,000
908957 Jockvale Bridge [113030]	1,670	1,399	271	86	185
908959 Pooley's Ped Bridge [017240]	2,320	222	2,098	76	2,022
908977 2018 Sidewalk & Pathway renewal	2,715	1,784	931	462	469
908999 LRT2 S1 Hwy 174 Montreal Rd	11,000	-	11,000	-	11,000
909009 PTIF 047 - AODA_Ogilvie	177	177	-	-	-
909011 PTIF 047 - AODA_Donald	440	65	375	-	375
909015 LRT2 S2 Hwy 174 Green's Creek	1,700	-	1,700	-	1,700
909016 LRT2 S3 Hwy 174 Jeanne D'Arc	1,500	-	1,500	-	1,500
909043 Greenbank (Chapman Mills to Barnsdale)	33,600	53	33,547	-	33,547
909044 2018 Barrhaven Rail Safety Program	3,500	1,789	1,711	174	1,537



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909055 2018 Intersection Control Measures	3,500	2,026	1,474	563	911
909056 2018 Pedestrian Access-Intersection & Ra	200	174	26	12	14
909057 2018 Active Transportation Missing Links	180	29	151	133	18
909058 Scott St Restoral (Post-LRT)	3,600	320	3,280	98	3,182
909059 2018 Development Sidewalks	153	26	127	71	56
909060 2018 Transportation Demand Management	300	136	164	137	26
909061 2018 Area Traffic Management	668	589	79	46	32
909062 2018 Network Modification Program	3,200	615	2,585	149	2,435
909063 2018 TMIP Richmond Rd/Westboro	500	-	500	-	500
909121 LCR - Parking Facilities (2018)	1,775	1,442	333	629	(296)
909123 Parking Studies - DC	360	181	179	-	179
909145 PTIF 047 - AODA_Cedarview	340	189	151	22	129
909201 Longfields Dr (Cambrian-Prince of Wales)	3,044	1,911	1,133	190	943
909221 2018 Barnsdale Road at Rideau Valley Dr.	100	18	82	66	16
909222 2018 Conroy Road at Davidson Road	100	15	85	75	10
909223 2018 Milton Road at Navan Road	100	12	88	66	22
909224 2018 PXO Projects.	362	334	28	-	28
909237 2018-3 - McGibbon Dr Sidewalk	372	216	157	11	146
909238 2018 Wards 7 and 11 Sidewalk Projects	555	341	213	114	100
909239 2018-5 - Industrial Ave Sidewalk	0	0	0	-	0
909242 2018-8 - Grassy Plains Dr Sidewalk	945	732	213	36	177
909261 P1-30 Laurier (Nicholas to Cumberland)	1,476	186	1,290	136	1,154
909262 P2-11 St Laurent Station to Aviation Pkw	255	199	56	12	44
909263 P2-16a Wellington Cycle (Bank-Mackenzie)	324	164	160	94	67
909264 P1-12b Mackenzie Cycling (Rideau - Daly)	27	9	18	17	1
909278 McArthur Avenue Cycling Lanes	377	274	103	2	101
909317 2019 Safety Improvement Program	1,031	365	666	124	542
909318 2019 Traffic Incident Management	2,063	77	1,986	457	1,530
909320 2019 LCR Traffic Control Signals	1,665	787	878	208	669

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Project Description	Authority	Expenditures as of August 31, 2020	August 31, 2020 Upspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractuals
909321 2019 LCR Traffic Monitoring System	340	319	21	40	(19)
909322 2019 Advanced Traffic Management Program	405	34	371	-	371
909368 2019 Buildings-Road Services	3,645	400	3,245	496	2,749
909380 2019 Preservation - CW	4,245	3,345	900	26	874
909382 2019 Structures Scoping Pre/Post Eng	500	370	130	18	113
909388 2019 Sidewalks & Pathways - CW	2,766	2,239	527	139	388
909395 2019 Acces. Ped Signal/Ped Countdown Sig.	600	768	(168)	-	(168)
909396 2019 Safer Roads Ottawa	420	273	147	137	11
909397 2019 Pedestrian Safety Evaluation Prog.	380	1	379	76	303
909398 2019 Cycling Safety Program	70	30	40	-	40
909422 2019 Life Cycle Renew - PWES Works Yard	531	65	466	-	466
909425 Ice-Snow Control and RWIS Tech 2019	150	121	29	29	-
909426 LCR - Parking Facilities (2019)	800	212	588	24	564
909435 Roads Services Vehicle & Equipment (2019)	910	75	835	220	615
909437 LCR-Parking Facility Improvements (2019)	825	14	811	-	811
909438 2019 Bridge Structures - CW	3,287	705	2,582	1,748	834
909454 CC7 Albert (Bayview to City Centre)	650	415	235	17	218
909455 P1-15 Stg2-Baseline Stn-MUP Configuratio	65	-	65	-	65
909457 P1-15 Woodroffe MUP(Norice-College)	565	93	472	33	438
909458 2019 Intersection Control Measures	8,257	1,598	6,659	686	5,972
909464 2019 Active Transportation Missing Links	193	-	193	190	3
909465 2019 Pedestrian Access-Intersect & Ramp	200	37	163	80	83
909466 2019 Pedestrian Facilities Program	481	-	481	-	481
909467 2019 Cycling Facilities Program	1,000	-	1,000	725	275
909468 2019 Development Sidewalks	153	32	121	41	80
909469 2019 Transportation Demand Management	202	77	125	120	5
909470 2019 Area Traffic Management	745	230	515	375	141
909471 2019 Network Modification Program	3,300	2,330	970	188	782
909472 2019 TMIP Richmond Rd/Westboro	509	-	509	-	509

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909482 2019 Preservation - Other	100	-	100	-	100
909483 2019 Roadway Network Engineering	800	569	231	65	166
909484 2019 Sidewalks & Pathways - Other	109	109	0	-	0
909547 2019 Traffic & Pedestrian Safety Enhance	789	721	68	34	35
909548 2019 Pedestrian Crossover Program	500	109	391	3	389
909569 P1-21 Hog's Back Road	833	361	472	273	198
909570 P1-20 Pleasant Park Road	100	-	100	-	100
909571 P1-29 Akerson Road MUP	1,115	-	1,115	-	1,115
909593 2019 ROWHUD Fleet Purchases	90	87	3	-	3
909597 Cyrville Station to Ogilvie MUP	1,445	36	1,409	676	733
909603 2018 Grassy Plains Sidewalk 2	192	-	192	-	192
909604 P1-19 Heron Road Cycling Facility	400	353	47	84	(36)
909612 Moodie yard Redevelopment	4,760	-	4,760	-	4,760
909614 Roads Services Vehicle & Equipment 2020	930	-	930	87	843
909615 2019 Pavement Marking Vehicle	1,100	-	1,100	760	340
909628 PTIF 047 - AODA - Heron	776	599	177	158	19
909629 Dovercourt Ave Sidewalk	595	-	595	-	595
909630 Varley Dr. Sidewalk	291	-	291	-	291
909631 Halton Terrace Sidewalk	258	-	258	-	258
909632 Castlefrank Rd Sidewalk	422	-	422	-	422
909633 P1-13 O'Connor Phase 1B	70	1	69	38	31
909634 OR 174 Slope Stabilization	1,100	-	1,100	-	1,100
909635 2020 Accessible Pedestrian Signal / Pede	600	37	563	-	563
909636 2020 Pedestrian Safety Evaluation Progra	380	-	380	-	380
909637 2020 New Traffic Control Devices	322	7	315	2	313
909638 2020 Safety Improvement Program	1,010	80	930	68	862
909639 2020 Traffic Incident Management	402	-	402	-	402
909640 2020 Street Lighting Major Replacements	2,276	152	2,124	717	1,407
909641 2020 LCR Traffic Control Signals	1,250	239	1,011	271	741

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909642 2020 LCR Traffic Monitoring System	406	27	379	81	299
909643 2020 Advanced Traffic Management Program	402	1	401	94	307
909644 2020 Traffic & Pedestrian Safety Enhance	788	183	605	146	460
909645 2020 Pedestrian Crossover Program	500	40	460	401	59
909646 2020 Cycling Safety Program	105	33	72	-	72
909647 2020 Safer Roads Ottawa	360	50	310	253	57
909655 Roads Equipment Replacement (2020)	190	121	69	-	69
909656 Ice-Snow Control and RWIS Tech 2020	295	-	295	13	282
909657 2020 LCR - PWES Works Yard	85	-	85	-	85
909658 2020 Winter Materials Storage Facility	560	-	560	520	40
909679 2020 Buildings - Roads Services	2,400	31	2,369	834	1,534
909700 2020 Preservation - CW	5,473	1,662	3,811	904	2,907
909701 2020 Preservation - Other	200	26	174	14	160
909702 2020 Roadway Network Engineering	900	0	900	254	646
909703 2020 Structures - Site - Specific	1,255	562	693	299	394
909704 2020 Misc Structural Renewal - CW	190	12	178	173	5
909705 2020 Structures Scoping Pre/Post Eng	500	37	463	348	115
909706 2020 Bridges Structures - CW	1,650	138	1,512	496	1,015
909711 2020 Sidewalks & Pathways - CW	3,190	535	2,655	780	1,875
909712 2020 Sidewalks & Pathways - Other	200	5	195	1	194
909740 Public Realm Intervention	850	-	850	-	850
909776 2020 Pedestrian Access-Intersect & Ramp	225	9	216	20	196
909777 2020 Active Transportation Missing Links	1,347	65	1,282	775	507
909778 2020 TMIP Richmond Rd/Westboro	220	-	220	-	220
909781 2020 Pedestrian Facilities Program	2,750	18	2,732	471	2,262
909782 2020 Cycling Facilities Program	3,198	6	3,192	2,181	1,012
909784 2020 Transportation Demand Management	340	-	340	125	215
909785 2020 Neighbourhood Traffic Calming	2,000	53	1,947	693	1,254
909786 2020 Intersection Control Measures	4,232	-	4,232	785	3,447

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909787 2020 Development Sidewalks	164	-	164	72	92
909788 2020 Network Modification Program	3,020	2,081	939	41	898
909789 2020 Transportation Master Plan	725	14	711	311	400
909851 Antares SDF Design & Construction	-	-	-	-	-
909852 LCR - Parking Facilities (2020)	2,580	1	2,579	39	2,541
909853 On-Street Facility Modification 2020	860	87	773	-	773
909854 LCR - Parking Facility Improvements 2020	575	-	575	51	524
909855 Parking Studies - DC 2020	200	-	200	-	200
909856 Road Safety Action Plan Program	4,000	718	3,282	643	2,639
909862 Pre/Post Construction	200	-	200	33	167
909863 Old Second Line Rd-Curb Barrier Installa	150	3	147	-	147
909868 P1-38 Old St. Patrick Beausoleil-Cobourg	20	-	20	-	20
909869 P1-35b St. Patrick (King Ed-Dalhousie)	75	-	75	17	58
909870 O'Connor Phase 2	400	102	298	153	145
909871 Booth Street FEA	1,688	-	1,688	-	1,688
909912 P2-1 Walkley Road	240	26	214	56	158
909945 2020 Laurier at Percy	200	-	200	-	200
909955 P2-16 Wellington (Sussex - Mackenzie)	100	-	100	-	100
909973 St. Joseph Blvd Septic Repair	40	-	40	-	40
909976 P2-5 Richmond - Hwy 417 to Carling	100	-	100	-	100
909977 Heron / Canadian Tire FEA	120	-	120	-	120
909978 Heron Phase 1-Clover-Canadian Tire	2,354	244	2,110	527	1,583
909979 Heron Phase 1-Clover-Canadian Tire	400	-	400	-	400
910001 Smyth/Riverside Cycling Improvements	430	1	429	-	429
<b>Transportation Services Total</b>	<b>980,652</b>	<b>591,158</b>	<b>389,494</b>	<b>148,487</b>	<b>241,007</b>
<b>Grand Total</b>	<b>1,937,974</b>	<b>1,148,968</b>	<b>789,006</b>	<b>345,984</b>	<b>443,021</b>