

Repair & Replacement Capital

(\$000s)

Proposed new capital or increases to capital

Detailed project sheets are provided for all projects where an increase or new capital budget is requested.

Project	Proposed Capital Budget Authority	Previously Approved Budget	Proposed Budget Change	Reason for budget change	Detailed Project Sheet Page #
Community Services					
Facilities					
72201 - Work Station Refresh Carpet Paint (Conditionally Approved 2021)	1,070.0	820.0	250.0	Ongoing project approved by Council in 2016. 2021 will focus on upgrades to washrooms and common space.(Conditionall approved in 2021)	17-11
72204 - Security Audit & Implementation	526.8	450.0	76.8	Merging of Project 72417- security work at Town Hall as per Security Audit.	17-13
72372 - 215 Industrial - Refurbishment of Generator	50.0	-	50.0	New capital project	17-14
72452 - Energy and Demand Management Plan Implementation	100.0	50.0	50.0	Ongoing funds to support the Energy Conservation Demand Management Plan/ Program	17-15
72453 - Unplanned - Emergency Repairs Contingency	200.0	100.0	100.0	Emergency funds, previous year unspent will be returned to source annually	17-17
72457 - Lane Ropes for SARC & AFLC and new diving board at SARC	75.0	-	75.0	New capital project	17-18
	2,021.8	1,420.0	601.8		
Liesure Services					
73324 - Pet Cemetery Restoration	55.0	35.0	20.0	Clean up and resetting of new stones appearing every season (644 stones approximately)	17-20
	55.0	35.0	20.0		
Corporate Services					
Information Technology					
14047 - Computer & Related Infrastructure Renewal (2021 Budget Conditionally approved)	2,097.5	1,437.1	660.4	Increase is amount of funding required for computer related infrastructure evergreening for 2021 and 2022	17-24
14070 - Boardroom Audio/Video Equipment	100.0	50.0	50.0	Funding for an additional boardroom to be updated during 2021	17-26

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Proposed Budget Change	Reason for budget change	Detailed Project Sheet Page #
14075 - Business Process Automation and Data Integration	250.5	105.0	145.5	Increase required to support implementation of IT Strategic Plan as approved by Council	17-27
14082 - Data Centre Upgrades	60.0	-	60.0	New capital project	17-28
	2,508.0	1,592.1	915.9		
Finance					
14012 - Financial System	1,500.0	1,000.0	500.0	Addition of staffing to support the implementation of the project	17-29
43038 - Water Meter Replacement Program	4,587.3	3,295.8	1,291.5	Addition of future years' budget to align with current procurement contract commitment to 2024	17-31
43055 - Advanced Metering Infrastructure (Conditionally Approved - 2021)	2,000.0	-	2,000.0	New capital project. Conditionally Approved in 2021	17-33
	8,087.3	4,295.8	3,791.5		
Operational Services					
Fleet					
34432 - Roads - 2 Ton (#24-21)	90.0	-	90.0	New capital project	17-35
34441 - Roads - Street Sweeper (#40-21)	305.0	-	305.0	New capital project	17-38
71136 - Parks - 1 Ton Pick Up Crew Cab (#203-21)	62.8	-	62.8	New capital project	17-41
71154 - Parks - Utility Trailer (#231-21)	15.0	-	15.0	New capital project	17-44
71158 - Parks - Grass Crew Trailer (#244-21)	15.0	-	15.0	New capital project	17-47
	487.8	-	487.8		
Parks					
72281 - AFLC - Skate Park	675.0	675.0	-	Received for information. 2021 increase not approved	17-50
73160 - Emerald Ash Borer Management Program	2,069.9	1,799.9	270.0	Another year of treatments as per 10 yr plan endorsed by Council	17-52
73175 - Walkway Lights - Graham Parkette	60.0	-	60.0	New capital project	17-55

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Proposed Budget Change	Reason for budget change	Detailed Project Sheet Page #
73192 - Board Walk Resurface McKenzie Marsh	600.0	-	600.0	New capital project	17-58
73215 - Playground Replacement, Walkway Repaving- L Willson Park	180.0	-	180.0	New capital project	17-62
73242 - Improvements to Fleury Park Washroom Facility	480.0	350.0	130.0	LSRCA flood control requirements for electrical and Alectra requiring complete electrical upgrade for Park	17-66
	4,064.9	2,824.9	1,240.0		
Roads & Sidewalks					
34007 - Webster Drive Curb/Road Drainage Repair	65.0	-	65.0	New capital project	17-71
34616 - Side Walk /Engineered Walkway Reconstruction	525.0	200.0	325.0	This is multi-year project as presented in the 2020 Capital Budget. Multiple walkways have fallen into disrepair such that the project has been phased over several years.	17-74
	590.0	200.0	390.0		
Planning & Development Services					
Roads					
31124 - Henderson Dr. - Wildlife Passage	175.0	175.0	-	Received for information. 2021 increase not approved	17-76
31178 - Reconstruction of Poplar Crescent	3,935.3	2,645.3	1,290.0	Additional funds requested based on engineering consultant's detailed design	17-79
31199 - Road Resurfacing - Gurnett St., Kennedy St. E., Victoria St.,	250.0	-	250.0	New capital project	17-82
31243 - Long Term Remediation for the Pavement Heave Over Vandorf Culvert West of Bayview	230.0	-	230.0	New capital project	17-85
	4,590.3	2,820.3	1,770.0		
Storm Sewer					

Repair & Replacement Capital

(\$000s)

Proposed new capital or increases to capital

Detailed project sheets are provided for all projects where an increase or new capital budget is requested.

Project	Proposed Capital Budget Authority	Previously Approved Budget	Proposed Budget Change	Reason for budget change	Detailed Project Sheet Page #
42066 - Damaged Storm Pipe off Henderson Dr	4,010.0	2,610.0	1,400.0	Additional funds requested based on engineering consultant's detailed design	17-88
42075 - Performance Monitoring of LID Controls	240.0	80.0	160.0	Additional 2 years of monitoring work added to capital project	17-91
42080 - Jones Court Stream Rehabilitation	150.0	-	150.0	New capital project	17-93
	4,400.0	2,690.0	1,710.0		
Total	26,805.1	15,878.1	10,927.0		

Repair & Replacement Capital

(\$000s)

Previously approved capital projects with no change or reduction to budget

This list includes new capital projects and existing projects where an increase to the capital budget authority is being requested.

Project	Proposed Capital Budget Authority	Previously Approved Budget	Requested Budget Change	Reason for budget decrease (if applicable)
Office of the CAO				
12037 - Town of Aurora Website	85.0	85.0	-	
	85.0	85.0	-	
Community Services				
Facilities				
72146 - 215 Industrial Parkway Exterior Works (Roof and Front Door System)	145.0	145.0	-	
72169 - Town Hall- LAN Room HVAC	90.0	90.0	-	
72172 - ACC- Sport Flooring	73.9	73.9	-	
72213 - ASC - LED Lighting	50.0	50.0	-	
72225 - AFLC - LED Lighting Arena, Pool, Squash Courts and Ceiling Repair	450.5	450.5	-	
72226 - AFLC HVAC Arena	135.0	135.0	-	
72263 - SARC - Cooling Evaporator Tower	90.0	90.0	-	
72274 - AFLC - Squash Courts Floor Replacement	40.0	100.0	(60.0)	Following a site assessment it was determined that replacing the floors wasn't required, therefore, refinishing was completed
72283 - SARC - Replacement of Pylon Sign Message Board	50.0	50.0	-	
72297 - ACC - Ice Resurfacer Room Heater	20.5	20.5	-	
72302 - AFLC - Replacement of Arena Seating	51.2	51.2	-	
72305 - SARC - West Roof Area - Window Sealant	10.2	10.2	-	
72323 - SARC - Repair of concrete walkways	20.0	20.0	-	
72324 - AFLC - Replace hollow metal doors & exterior exit doors	55.0	55.0	-	
72328 - AFLC - Replace built up roofing above Arena dressing rooms	90.1	90.1	-	
72340 - ACC - Reseal exterior windows	13.5	13.5	-	

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Previously approved capital projects with no change or reduction to budget

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Requested Budget Change	Reason for budget decrease (if applicable)
72342 - ACC - Replace thermoplastic membrane roofing	165.6	165.6	-	
72346 - ACC - Reseal concrete floors	28.7	28.7	-	
72381 - CYFS 4-3 - Replace windows	28.8	28.8	-	
72384 - CYFS 4-3 - Replacement of suspended ceiling panels	26.9	26.9	-	
72393 - ASC - Replacement of roofing sections	32.2	32.2	-	
72404 - Town Hall - Replacement of exterior entrance doors	16.5	16.5	-	
72405 - Town Hall - Replacement of roof sections and Skylight Sealant	250.0	250.0	-	
72419 - Town Hall - Repair of concrete/stone walkways	33.5	33.5	-	
72441 - AFLC - Pool Boiler Replacement	150.0	150.0	-	
72442 - ACC - New Roll Up Doors (3)	60.0	60.0	-	
72448 - Town Hall - Interior Conversion to LED	95.0	95.0	-	
72449 - SARC - Interior LED Retrofit	30.0	30.0	-	
72450 - SARC - Low-E Ceiling - Arenas	128.0	128.0	-	
72454 - Victoria Hall - Accessible Ramp - Accessibility Plan Implementation	20.0	20.0	-	
72455 - AFLC, SARC - Transfer Stations - Accessibility Plan Implementation	25.0	25.0	-	
72456 - SARC - Hoyer Lifts - Accessibility Implementation Plan	20.0	20.0	-	
74021 - SARC - Comprehensive Sound/Audio/Public Address System Upgrade	45.2	45.2	-	
	2,540.3	2,600.3	(60.0)	
Program Services				

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Requested Budget Change	Reason for budget decrease (if applicable)
74007 - AFLC Fitness Equipment Replacement	278.6	278.6	-	
	278.6	278.6	-	
Corporate Services				
12002 - Accessibility Plan Implementation	1,382.9	1,382.9	-	
13018 - Human Resources Information/Payroll System	250.0	250.0	-	
81025 - GIS Scanner	10.0	10.0	-	
	1,642.9	1,642.9	-	
Operational Services				
Operations				
12041 - 89 Mosley St	5,438.5	5,438.5	-	
31151 - Streetlights	50.0	50.0	-	
34001 - Christmas Decorations	50.0	50.0	-	
	5,538.5	5,538.5	-	
Roads				
34004 - Safety Railing - Yonge St north of Orchard Heights	400.0	400.0	-	
34005 - Traffic Protection Guide Rail - Kennedy St W.	100.0	100.0	-	
34008 - Roads Operations Infrastructure Inspection, Repair and Maintenance Program	200.0	200.0	-	
	700.0	700.0	-	
Fleet				
34220 - Roads - GMC/3500 (#17-20)	85.0	85.0	-	
34221 - Facilities - Kubota 4x4 Tractor (#599-19)	45.0	45.0	-	
34222 - Roads - Chev/1500 (#3-20)	51.2	51.2	-	
34223 - Roads - Chev/1500 (#5-20)	47.5	47.5	-	
34228 - Facilities - Ice Resurfacer (#595-19)	90.0	90.0	-	
34409 - By-Law - Smart Car Replacement (#400-19)	50.0	50.0	-	
34425 - Water - 3/4 Ton Cargo Van (#7-20)	47.6	47.6	-	

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Requested Budget Change	Reason for budget decrease (if applicable)
34430 - Roads - 3/4 Ton Pick Up (#22-20)	47.5	47.5	-	
34440 - Roads - 6 Ton Diesel Dump with Sander (#33-20)	263.9	263.9	-	
34458 - Roads - Solar Powered Sign (#140, 141, 142, 143-20)	100.0	100.0	-	
34465 - Facilities - 3/4 Ton Pick Up Truck (#503-20)	40.0	40.0	-	
71112 - Parks - Ford 350 Dump Truck (#226-19)	60.0	60.0	-	
71116 - Parks - Back Hoe 420E IT & Rotary Broom Attachment (#238-20, #392-20)	205.0	205.0	-	
71118 - Parks - Tractor - JD/5225 (#241-20)	87.0	87.0	-	
71119 - Parks - Tractor - JD/4320 (#240-19)	60.0	60.0	-	
71121 - Parks - 1 Ton Water Truck (#207-20)	69.2	69.2	-	
71122 - Parks - 3/4 Tonne (#212-20)	51.2	51.2	-	
71132 - Parks - Line Paint Trailer & Sports Field Line Painter(#121-20, #243-20))	35.8	35.8	-	
71134 - Parks - 3/4 Ton Pick Up (#201-20)	50.9	50.9	-	
71144 - Parks - Grass Crew Trailer (#214-20)	20.0	20.0	-	
71171 - Box Blade Attachment (#276-20)	12.0	12.0	-	
	1,518.7	1,518.7	-	
Parks				
73134 - Parks/ Trails Signage Strategy Study & Implementation	695.7	695.7	-	
73212 - Playground Replacement-Taylor Park	175.0	175.0	-	
73213 - Playground Replacement-Harman Park	153.6	153.6	-	

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73214 - Playground Replacement-Tamarac Park	97.8	97.8	-	
73232 - Trail/Playground Re-design - Jack Wood Park	102.4	102.4	-	
73240 - Walkway/Basketball Repaving- Tamarac Park	30.0	30.0	-	
73315 - Sheppards Bush Parking Lot Resurface	250.0	250.0	-	
	1,504.5	1,504.5	-	
Water, Wasterwater & Storm water				
41009 - 3 Phase Electrical Power - Pumping Stations	120.0	120.0	-	
41013 - Replacement of Vandorf Road Lift Station Pumps	50.0	50.0	-	
43039 - Backflow Prevention Program	50.0	50.0	-	
42073 - Stormwater Pond Maintenance Program - 2019	250.0	250.0	-	
	470.0	470.0	-	
Planning & Development Services				
Roads				
31054 - Road Resurfacing - Ind Pkwy S (Engelhard to Yonge), Vandorf (Ind Pwy S - Bayview)	1,705.3	1,705.3	-	
31108 - Reconstruction - Algonquin Crescent and Haida Drive (Sections)	2,085.9	2,085.9	-	
31109 - Reconstruction - Kennedy St W & Temperance St	2,988.3	2,988.3	-	
31113 - M & O - Murray Dr, Kennedy St W, Pinehurst Crt. Wiles Crt.	2,352.3	2,352.3	-	
31114 - Reconstruction - Ransom Court and Ransom Street	667.3	667.3	-	
31116 - Road Resurfacing - Dunning Ave, Edward St, Golf Links Dr, Ind Pkwy S, McClellan Way, Orchard Hts. Blvd, Tamarac Trail, Yonge St S	3,649.0	3,649.0	-	

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Project	Proposed Capital Budget Authority	Previously Approved Budget	Requested Budget Change	Reason for budget decrease (if applicable)
31118 - Reconstruction- Browning Crt, Johnson Rd, Holman Cres, Baldwin Rd	5,388.1	5,388.1	-	
31119 - Reconstruction- Adair Dr, Bailey Cres, Davidson Rd., Harriman Rd.	4,618.6	4,618.6	-	
31126 - M & O - Harmon Ave, Orchard Hts Blvd., Whispering Pine Trail	1,014.1	1,014.1	-	
31134 - Road Resurfacing - Victoria (Wellington - Harrison), Yonge St (Golf Links - Orchard Hts)	1,356.4	1,356.4	-	
31140 - Road Resurfacing - Archerhill Crt, Jarvis Ave, Gilbert Dr, Westview Dr, McClellan Way	716.6	716.6	-	
31177 - Recon - Vandorf Sdrd - Monkman Crt - Carisbrooke Cir.	1,000.0	1,000.0	-	
	27,542.0	27,542.0	-	
Sidewalks				
34626 - Sidewalk Construction on Kitimat	192.7	192.7	-	
	192.7	192.7	-	
Water, Wasterwater & Storm water				
42064 - Storm Sewer Outlet Cleanup	1,110.0	1,110.0	-	
42067 - Storm Outfall Erosion at Mill Street	184.6	184.6	-	
42072 - Vandorf Sideroad Culvert and Ditch Repair	219.0	219.0	-	
42079 - Devlin Place Stream Rehabilitation	200.0	200.0	-	
42083 - Willow Farm Lane Stream Rehabilitation	150.0	150.0	-	
	1,863.6	1,863.6	-	
Total	43,876.7	43,936.7	(60.0)	

Town of Aurora

Capital Projects

Project	72201 Work Station Refresh Carpet Paint (2021 Budget Conditionally Approved)		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	820,000	1,070,000	250,000	324,507	495,493	250,000	250,000	500,000
	820,000	1,070,000	250,000	324,507	495,493	250,000	250,000	500,000
Expenditures Total	820,000	1,070,000	250,000	324,507	495,493	250,000	250,000	500,000
Funding								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE				324,507	495,493	250,000	250,000	500,000
				324,507	495,493	250,000	250,000	500,000
Funding Total				324,507	495,493	250,000	250,000	500,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Ongoing. 2021 Budget Authority Conditionally approved. Staff to submit report to council.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

In 2016, Council approved capital project 72201 Workstation refresh, carpet and paint. The report indicated that an ongoing building refresh will occur using a controlled multi-year approach and will include paint, carpet refresh and replacement of furniture based on a corporate standard.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Town Hall is now 29 years old, much of the furniture and decor is original and is in need of updating. Several areas within Town Hall have been refreshed in the past 3 years, Human Resources, Corporate Communications and a section of Finance. In the fall of 2019 Community Services and Bylaws relocation to the 3rd floor of the JOC. This allowed the vacated space to be temporarily re- purposed for IT, while a refresh of a section of the second floor was completed. The new IT Business Solutions Team will occupy the new space. In 2020/2021 the refresh will focus on a move of the cultural centre staff to Town Hall to allow for the Library Square Project to proceed, as well as a focus on interior washroom and common space upgrades.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

As the Town grows in population and the needs/demands increase, we need to be able to adapt to the changing work requirements, Reworking the existing space is more cost effective than leasing additional space or building an additions.

Town of Aurora

Capital Projects

Project	72201 Work Station Refresh Carpet Paint (2021 Budget Conditionally Approved)		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.
Ineffective use of office space and outdated facilities

Town of Aurora

Capital Projects

Project	72204 Security Audit & Implementation		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS	450,000	526,800	76,800	61,399	194,300	271,101		
	450,000	526,800	76,800	61,399	194,300	271,101		
Expenditures Total	450,000	526,800	76,800	61,399	194,300	271,101		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE				61,399	194,300	271,101		
				61,399	194,300	271,101		
Funding Total				61,399	194,300	271,101		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1-4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Implementation of recommendations identified in the Security Risk Assessment audit completed in 2020.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Audit process included a physical review of security zones, public and common areas, site security related systems, protective service, procedures and historical incident data. The audit looked at eight of the Towns key facilities and recommended over 100 upgrades to mitigate risk through enhancements to facility and grounds physical security and upgrades to deficient and aging security related infrastructure and technology, including Access Control, Intrusion Detection, Cameras Systems.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Allow for implementation of audit recommendations. The additional funds requested in 2021 were in the 10 year capital plan under project 72417- Replacement of Security System Town Hall. They have now been moved and incorporated into project 72204 and the work will be completed as part of the Security Audit Implementation project.

Please provide an explanation of what the outcomes would be if the project was not approved.

Greater risk of incidents causing harm, reduced protection and health and safety of physical assets, employees, residents as well as reputation of the Town.

Town of Aurora

Capital Projects

Project	72372 215 Industrial - Refurbishment of Generator		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS		50,000	50,000			50,000		
		50,000	50,000			50,000		
Expenditures Total		50,000	50,000			50,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE						50,000		
						50,000		
Funding Total						50,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Refurbishment of the existing Generator. The Generator is required to be in operating condition as per the Lease agreement with the Department of National Defence.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Generator was scheduled for replacement in 2022. Estimates to replace vs repair were solicited and the cost to repair is far less expensive than a full replacement. The generator is in good condition, however requires upgrades to the fuel and exhaust system to meet current TSSA Regulations. The replacement cost was estimated at in the range of \$120- \$150k

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Work is required as per TSSA Regulations and lease agreement

Please provide an explanation of what the outcomes would be if the project was not approved.

None compliance with TSSA regulations and lease agreement

Town of Aurora

Capital Projects

Project	72452 Energy and Demand Management Plan Implementation		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS	50,000	100,000	50,000		50,000	50,000		
	50,000	100,000	50,000		50,000	50,000		
Expenditures Total	50,000	100,000	50,000		50,000	50,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE					50,000	50,000		
					50,000	50,000		
Funding Total					50,000	50,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

2021 Q1-Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Implementation of projects identified in the Energy Conservation and Demand Management Plan.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

In June 2019, Council approved the updated Energy Conservation and Demand Management Plan. The funding for this project is for the implementation of various smaller conservation initiatives at various facilities. Including conversion of Lighting fixtures to LED, installation of motion sensors, changes to building automation systems to maximize energy reduction and utility consumption, upgrades to taps/ water fixtures to conserve water.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Support of energy conservation practices and demand management plan.

Please provide an explanation of what the outcomes would be if the project was not approved.

Increased utility costs.

Town of Aurora

Capital Projects

Project	72452 Energy and Demand Management Plan Implementation		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Doug Bertrand\Pictures\Budget Sheet Pictures\Small Energy Projects- Various Locations.jpg

Small Energy Projects- Various Locations

Project	Budget breakdown	Location
Building Automation Systems (BAS) Review of programming and equipment scheduling-stop/start optimization	\$32,000	ACC, APL, SARC, TH, SC, AFLC
Installation of Occupancy sensors in various locations	\$13,500	ACC, APL, Victoria Hall
Installation of low flow/ sensor activated washroom fixtures	\$ 4500.00	SC, TH, Victoria Hall
	\$ 50,000	

Town of Aurora

Capital Projects

Project	72453 Unplanned - Emergency Repairs Contingency		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS	100,000	200,000	100,000		100,000	100,000	100,000	800,000
	100,000	200,000	100,000		100,000	100,000	100,000	800,000
Expenditures Total	100,000	200,000	100,000		100,000	100,000	100,000	800,000
<i>Funding</i>								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE					100,000	100,000	100,000	800,000
					100,000	100,000	100,000	800,000
Funding Total					100,000	100,000	100,000	800,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2020 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Unplanned emergency repairs/replacement contingency fund. The purpose of this request is to provide an envelope of funds to manage emergency or unexpected facility repairs, enabling quick/ expedient response and repair to buildings or equipment. Alternatively reporting to Council to request funds, extending delay to the repair and interruption in service. The expectation would be a year end report summarizing how funds (if any) were utilized.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Building Condition Assessment Program and Asset Management Plan outline the Town's 10 year capital renewal needs through a systematic process based on equipment and component expected life cycle. The Town's facilities are complex and predicting equipment and component failures are not an exact science. Weather, usage and many other factors can cause unexpected or premature failures. This fund is intended to only to be used should a need arise outside of the regular planning process.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Ability to deal with unexpected or premature building equipment and or components failures.

Please provide an explanation of what the outcomes would be if the project was not approved.

Potential delays/ customer complaints or service/ program disruptions.

Town of Aurora

Capital Projects

Project	72457 Lane Ropes for SARC & AFLC and new diving board at SARC		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
EQUIPMENT - OTHER		75,000	75,000			75,000		
		75,000	75,000			75,000		
Expenditures Total		75,000	75,000			75,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE						75,000		
						75,000		
Funding Total						75,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018
Q2 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.
<p>To purchase and replace thirteen (13) 25-m lane ropes and three (3) lane reels at the Stronach Aurora Recreation Complex and the Aurora Family Leisure Complex; and to consider these items as asset that requires a 5-year replacement cycle.</p> <p>To purchase, deliver, and install a new Spectrum Cheyenne 1-m Diving Board at the Stronach Aurora Recreation Complex and to remove and dispose of existing diving board and stand.</p>

Provide the reasons the project should be approved and what will be the impact of the project to service levels.
<p>Increased staff and public first aid injuries that are caused by defective lane ropes. Currently, the lane ropes and lane reels are not on an asset life cycle schedule, and parts have been replaced on an as-needed basis through the operating budget. The lane ropes and lane reels are an essential part of Aquatic programming and is used on a daily basis. Furthermore, the nature of a swimming pool (i.e. pool chemicals used to treat water, humid environment) causes an accelerated decline in its physical conditions, which leads to equipment defect (i.e. frayed wires) and injuries through operations.</p> <p>Increased public first aid injuries (i.e. slips and falls) from the diving board. Currently, the diving board is not on an asset life cycle schedule, and parts have been replaced on an as-needed basis through the operating budget. Although the diving board is not an essential part of Aquatic programming and used infrequently, it is considered to be a unique service that the Town provides to the general public. Many customers come to the Town's leisure swim for the use of the diving board.</p>

Town of Aurora

Capital Projects

Project	72457 Lane Ropes for SARC & AFLC and new diving board at SARC		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Improved safety for Pool users

Please provide an explanation of what the outcomes would be if the project was not approved.

Health and Safety concerns.

Town of Aurora

Capital Projects

Project	73324 Pet Cemetery Restoration		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	35,000	55,000	20,000	15,288	19,712	20,000	20,000	35,000
	35,000	55,000	20,000	15,288	19,712	20,000	20,000	35,000
Expenditures Total	35,000	55,000	20,000	15,288	19,712	20,000	20,000	35,000
Funding								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE						20,000	20,000	35,000
						20,000	20,000	35,000
Other Funding Sources								
GROWTH & NEW RES CONT'N				15,288	19,712			
				15,288	19,712			
Funding Total				15,288	19,712	20,000	20,000	35,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Happy Woodland Pet Cemetery site measures roughly 2400 square metres in size and has been divided into 10m x 10m grids (24 in total). Museum staff and volunteers have been working alongside contract restorers since 2018 carefully excavating and resetting each stone. Work that needs to be completed includes remaining uncleared grids, restoring the historic 1933 cairn, pathways, and entrance gate.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

A new trail is proposed along one side of the cemetery, offering visitors an opportunity to explore this historic asset. Due to the many hazards on the site, this currently is not feasible. The cemetery is located on hilly, uneven terrain. Trees have fallen on the site displacing graves and making access difficult. In addition, a thick coat of Japanese Spurge covers a large portion of the site and is obstructing many headstones, making navigation of the site dangerous. Staff also noted that at least three headstones had been removed. Pieces of a wooden grave marker that had been removed from its original location were found a few hundred meters away from the site. So long as the site looks abandoned, losses like this will continue.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Believed to be the first of its kind in Canada, staff are gathering information to submit an application to have the cemetery designated a National Historic Site. There is a broad range of interest from both within and outside of the community. In addition to restoring the cemetery, museum staff are working with GIS staff to map the location of each stone and create an interactive online application in which to explore the cemetery from home. Once fully restored, the site will be leveraged as an asset to promote tourism. Undertaking the necessary work now will ensure that the site is able to safely welcome visitors when the trail is opened.

Town of Aurora

Capital Projects

Project	73324 Pet Cemetery Restoration		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

The deterioration of the site is a liability for the Town. The majority of the site is covered with downed trees and ground cover obscuring the stones and increasing the likelihood of an accident.

Town of Aurora

Capital Projects

Project	73324 Pet Cemetery Restoration		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Gallery

U:\2021 Budget\downed tree.jpg



Town of Aurora

Capital Projects

Project	73324 Pet Cemetery Restoration		
Department	Community Services		
Version	Final Approved Budget	Year	2021

Gallery

U:\2021 Budget\hazards on site.jpg



Town of Aurora

Capital Projects

Project	14047 Computer & Related Infrastructure Renewal (2021 Budget Conditionally Approved)		
Department	Corporate Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
EQUIPMENT - OTHER	1,402,145	2,062,505	660,360	859,918	542,227	263,885	225,475	1,458,662
CONSULTING	35,000	35,001	1	35,001				
Expenditures Total	1,437,145	2,097,506	660,361	894,919	542,227	263,885	225,475	1,458,662
Funding								
Infrastructure Sustainability Reserves								
MUNICIPAL CAPITAL				50,000				
COMPUTER RELATED EQUIP R&R				844,919	542,227	263,885	225,475	1,458,662
Funding Total				894,919	542,227	263,885	225,475	1,458,662

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Ongoing project. 2021 Budget Authority Conditionally approved. Staff to submit report to council.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To undertake the annual replacement cycle purchases of IT equipment for the Town of Aurora. Funding for this initiative is required annually.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

In order to maintain an acceptable fleet of computer equipment servicing the needs and requirements of the Town business, the evergreening of this equipment is necessary. To improve mobility options for staff we are increasing our deployment of replacement equipment to support laptop/tablet use for 2020. In addition this year we have a series of end of life network equipment due for replacement to support our current infrastructure.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Previously, the desktop and laptop evergreening cycle was a 6-7 year cycle, which needs to change to 3-4 years to reflect industry standards which will improve technology workplace modernization initiatives. Server replacement schedules reflect on average a ten year cycle. Replacement cycle changes, have resulted in an uneven expenditure over the next several years. Based on current IT inventories there are computers, laptops and servers/network infrastructure elements critical to our ongoing business operations that need to be replaced in 2020.

Town of Aurora

Capital Projects

Project	14047 Computer & Related Infrastructure Renewal (2021 Budget Conditionally Approved)		
Department	Corporate Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

If this project isn't approved we will be delaying the necessary work for technology workplace modernization and needed infrastructure replacement. This makes subsequent year replacements heavier as a result.

Town of Aurora

Capital Projects

Project	14070 Boardroom Audio/Video Equipment		
Department	Corporate Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
EQUIPMENT & FURNISHINGS	50,000	100,000	50,000		50,000	50,000	50,000	
	50,000	100,000	50,000		50,000	50,000	50,000	
Expenditures Total	50,000	100,000	50,000		50,000	50,000	50,000	
Funding								
Infrastructure Sustainability Reserves								
BLDG, FURN & FIX R&R RESERVE					25,000	25,000	25,000	
COMPUTER RELATED EQUIP R&R					25,000	25,000	25,000	
					50,000	50,000	50,000	
Funding Total					50,000	50,000	50,000	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q3 2020 - Q4 2022

Provide a brief overview of the project and include the key goals, objectives and performance measures.

This project is to update the board and meeting room technology at Town Hall and all other site boardroom facilities. This capital sheet provides the necessary money to make equipment changes in the various board and meeting rooms as needed.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Leveraging current technology and proposing process changes for the more efficient use of meeting room resources and equipment will improve staff productivity and ultimately improve service levels. With new technology, the time spent driving to offsite meetings and setting up outdated portable equipment can be reduced. Leveraging digital meetings with real time meeting notes, improved and broader adoption of web meetings and screen sharing are an asset. Saving staff time to focus on more important things.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The benefits are internal in nature. They include reducing travel between sites for meetings (leveraging conferencing), improved efficiencies in board and meeting rooms by having access to files needed to be displayed quickly and easily with meeting participants - increasing the production during meetings. As well as to reduce our carbon footprint by further reducing our printing and better leveraging our digital electronic files.

Please provide an explanation of what the outcomes would be if the project was not approved.

Staff would continue to use existing board and meeting rooms, some with limited to no technology in place for their meetings. Staff will have to continue to use old methods for meetings (in person vs virtual/conference) as well as to spend more time coordinating meetings and resources instead of investing in more productive use of time.

Town of Aurora

Capital Projects

Project	14075 Business Process Automation and Data Integration		
Department	Corporate Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	105,000	250,500	145,500		105,000	145,500	50,000	
	105,000	250,500	145,500		105,000	145,500	50,000	
Expenditures Total	105,000	250,500	145,500		105,000	145,500	50,000	
Funding								
Infrastructure Sustainability Reserves								
COMPUTER RELATED EQUIP R&R					105,000	145,500	50,000	
					105,000	145,500	50,000	
Funding Total					105,000	145,500	50,000	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q4 2020 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To secure the necessary funding to implement the business process automation and data integration workplan projects as identified in the 5 year Technology Strategic Plan.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Town must focus on digitization of its core business processes (HR, Planning, Permitting, Asset and Work Management, Finance) taking the opportunity to streamline, modernize and simplify aging traditional paper-based processes. This step is critical and once completed will allow for greater access to services and improve service levels by providing end-to-end digital services.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

When processes are digitized into robust business solutions, all necessary transaction processing like workflows, tasks, notifications, quality checks and validation and approvals can be carried out digitally and can happen anywhere. Once completed, digitized end-to-end business processes will provide for an easy to use online digital alternative for citizens to leverage and will improve internal collaboration and visibility of processes throughout the Town.

Please provide an explanation of what the outcomes would be if the project was not approved.

Digitization of our core business processes is essential for providing improved end-to-end digital services for our residents. If not approved, we would maintain the status quo as it pertains to our current processes and would restrict the ability to deliver exceptional services and therefore not meet the Town's Mission or Vision of a being a progressive community.

Town of Aurora

Capital Projects

Project	14082 Data Centre Upgrades - Cybersecurity		
Department	Corporate Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS		60,000	60,000			60,000	60,000	400,000
		60,000	60,000			60,000	60,000	400,000
Expenditures Total		60,000	60,000			60,000	60,000	400,000
<i>Funding</i>								
Infrastructure Sustainability Reserves								
COMPUTER RELATED EQUIP R&R						60,000	60,000	400,000
						60,000	60,000	400,000
Funding Total						60,000	60,000	400,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q4 2020 - Q3 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

This is a project to refresh/update/redesign the technology in our two data centres. This would include (but not limited to) servers, SAN, network appliances, firewalls, and other cybersecurity appliances. This project aligns with the IT Strategic Plan.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Our existing technology is out of date and end of life. A refresh is necessary to continue to provide needed IT services to the Town.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Will provide faster processing, more useable disk space, faster server switching, and a more robust cybersecurity footprint.

Town of Aurora

Capital Projects

Project	14012 Financial System		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING	100,000	140,869	40,869	105,869	35,000			
CONTRACTS	900,000	1,359,131	459,131			359,000	837,631	162,500
	1,000,000	1,500,000	500,000	105,869	35,000	359,000	837,631	162,500
Expenditures Total	1,000,000	1,500,000	500,000	105,869	35,000	359,000	837,631	162,500
Funding								
Infrastructure Sustainability Reserves								
COMPUTER RELATED EQUIP R&R					35,000	359,000	837,631	162,500
				105,869	35,000	359,000	837,631	162,500
Funding Total				105,869	35,000	359,000	837,631	162,500

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2023

The increase in Capital Budget Authority is to add two dedicated staff for the period of the implementation of the project.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

The Town's current suite of core financial system tools will be replaced with a single integrated financial system that has an open data structure, wholly integrated "procurement to payment" functionality, integrated budget & general ledger system, contract and project management capabilities & highly customizable reporting. The first phase in 2020 includes the engagement of a consultant to define the specifications for the new system including its RFP development. The second phase will include the purchase and implementation of all key financial software components which will form the new integrated financial system.

The budget for this project includes the cost for the consulting engagement, the new system and the cost for two full-time equivalent staff to be assigned to the project through the implementation. This will include one Finance staff that is assigned to the project for the duration. This will be the new position requested in the operating budget for 2021. The second will be a backfill of a position within Finance which will provide the flexibility for staff to float on to the project as required.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Town's current financial system is outdated and being used beyond its useful life. The current system cannot handle the increasing complexity in financial reporting requirements. The present suite of core financial system tools which were acquired by the Town as stand-alone components on an as needed basis cannot be easily integrated. After considerable effort to maximize the value from its existing financial systems, staff have now concluded that a new fully integrated financial system is necessary in order to meet the Town's current and future requirements.

If a new financial system is not implemented or is delayed, the town's current financial system framework's

Town of Aurora

Capital Projects

Project	14012 Financial System		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

ability to meet staff's growing requirements will continue to deteriorate.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The proposed fully integrated financial system would address the growing inability of the Town's current financial systems to meet its rapidly expanding and more complex financial requirements. This new financial system would also allow the Town to achieve material process efficiencies and offer enhanced services to both external and internal stakeholders including the management team having better tools at their fingertips to manage their budget, forecasts, spending and procurement contracts.

The automation of processes will mean that staff can focus more on managing the business and analysis rather than just trying to pull together the data.

Please provide an explanation of what the outcomes would be if the project was not approved.

If a new financial system is not implemented or is delayed, the Town's current collective financial system framework's ability to meet its business and residents, as well as staffing growing requirements will continue to deteriorate.

Town of Aurora

Capital Projects

Project	43038 Water Meter Replacement Program		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS	3,295,796	4,587,336	1,291,540	2,074,836	502,500	502,500	502,500	2,375,300
	3,295,796	4,587,336	1,291,540	2,074,836	502,500	502,500	502,500	2,375,300
Expenditures Total	3,295,796	4,587,336	1,291,540	2,074,836	502,500	502,500	502,500	2,375,300
<i>Funding</i>								
Infrastructure Sustainability Reserves								
WATER & SEWER CONTRIBUTION				2,074,836	502,500	502,500	502,500	2,375,300
				2,074,836	502,500	502,500	502,500	2,375,300
Funding Total				2,074,836	502,500	502,500	502,500	2,375,300

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Ongoing

The Capital Budget Authority requested includes future years budget of \$502,500/year through to 2024. This reflects the approval of the multi-year contract for meter replacements approved in report FS19-040.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Water meters are an important component of Aurora's Municipal Drinking Water System. Every residential, industrial, commercial, and institutional customer is equipped with a water meter to track consumption. This ensures that each customer is being billed for only the water they consume. The average life span of the water meter is 20 years. This project supports the strategic plan pillar of supporting an exceptional quality of life for all and meets the objective of investing in sustainable infrastructure by maintaining and expanding infrastructure to support population growth through technology, waste management, roads, emergency services and accessibility.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Town has approximately 17,000 service connections and water meters. The water replacement program will ensure that the Town's water meters will be up to date and ensure they are being read accurately. Furthermore, with technological meter improvements it is prudent for the water meters to be updated such that meters continue to be read and provide appropriate functionality during its operations.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

About 45 percent of our water meters are at least 20 years old. Water meters are most accurate for the first 10-15 years, their accuracy decreases as they wear to the benefit of the consumer. This reduction in accuracy has a negative impact on the revenue stream for the Town of Aurora and it increases our water loss. This project is being funded from the water reserve.

Town of Aurora

Capital Projects

Project	43038 Water Meter Replacement Program		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

The age of the water meters may result in inaccurate billings and prevent technological advancements and efficiencies in collecting meter readings.

Town of Aurora

Capital Projects

Project	43055 Advanced Metering Infrastructure (Conditionally Approved 2021)		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
EQUIPMENT - OTHER		2,000,000	2,000,000			1,500,000	500,000	
		2,000,000	2,000,000			1,500,000	500,000	
Expenditures Total		2,000,000	2,000,000			1,500,000	500,000	
Funding								
Infrastructure Sustainability Reserves								
WATER & SEWER CONTRIBUTION						1,500,000	500,000	
						1,500,000	500,000	
Funding Total						1,500,000	500,000	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

January 2021 – July 2022; the project is being brought forward for reconsideration as it was conditionally approved pending further information to Council. 2021 Budget Authority Conditionally approved. Staff to submit report to council.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

The project involves the purchase of an antenna meter reading system through the installation of radio transmitters and base station infrastructure that will transmit water consumption data in real time to a secured off-site centralized database location. The investment in this initiative will improve the water billing data handling, accuracy, timeliness and enhance the customer service experience.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

In 2015 and each year since then, Council approved funding to undertake a meter change out program, changing our old meters to new digital meters. Moving to a radio read system will enable hourly data reading to be captured and will assist with identifying major water consumption changes as well as helping customers understand consumption patterns. Staff will continue to focus on the core functions of account administration, billing and collections but will be able to alert customers to significant consumption changes earlier during the pre-billing process.

There will be a significant improvement to the level of customer service that Town will be able to provide to its residents with the implementation of this infrastructure and the related technology. Currently, water billing for residential customers occurs on 3 month cycles and for commercial customers on 2 month cycles. If a customer has an undetected water leak at the beginning or in the middle of the cycle the customer is required to pay for the costs of the consumption regardless of the cause. The leak can go undetected for potentially 3 months resulting in an extremely high water bill. Currently, every billing cycle include an account in which this occurs. Hourly meter reads would give the Town and the residents the ability to monitor water consumption in a timelier manner and gain the ability to correct or fix leaks preventing a high water bill. Currently, faulty meters are detected when the meters are read for each billing cycle. As a result, the Town issues estimated water bills until the meter can be fixed or replaced. Having daily consumption reports would allow the Town to investigate faulty meters more proactively reducing the amount of

Town of Aurora

Capital Projects

Project	43055 Advanced Metering Infrastructure (Conditionally Approved 2021)		
Department	Financial Services		
Version	Final Approved Budget	Year	2021

estimated bills being issued.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The proposed antenna meter reading system will provide customers the opportunity to consider conservation efforts through viewing consumption patterns via a customer portal. In addition, those customers with digital meters will be able to receive leak detection alerts. The Town can pro-actively investigate faulty meters reducing the risk of unrecovered costs of water consumption.

Please provide an explanation of what the outcomes would be if the project was not approved.

If the project is not approved, the Town would continue to rely on the current contract meter readers and would not be able to provide the enhanced customer service. Residents would only have the option to connect with the Town staff to get any information relating to water consumption and depending on the timing of the request the consumption may not even be available if the manual read has yet to occur.

Town of Aurora

Capital Projects

Project	34432 Roads - 2 Ton (#24-21)		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
EQUIPMENT - OTHER		90,000	90,000			90,000		
		90,000	90,000			90,000		
Expenditures Total		90,000	90,000			90,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
FLEET R&R RESERVE CONT'N						90,000		
						90,000		
Funding Total						90,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Replacement of 2011 Roads Division truck which entered into service in fall of 2010.

Truck is utilized by the Roads Division for daily operational maintenance, primarily towing equipment for asphalt repairs or line painting.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Truck has a significant amount of body rust to box and tailgate that is leading to some potential structural integrity issues especially on the floor boards and door sills. In addition brakes and tires will need replacing in next 12 months. Towing trailer regularly leads impacts lifecycle as it is hard on truck.
Requires over \$10,500 into repairs and upkeep, vehicle value is \$18,000
Vehicle has met its lifecycle target of 10 years as per the Asset Management Plan/Fleet Strategy
Strong probability of incurring repair costs due to unforeseen breakdowns due to age

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Increased staff productivity, less maintenance and downtime, lower operating costs.

Please provide an explanation of what the outcomes would be if the project was not approved.

Without replacement, this aging truck will require more repair investment, will consume more fuel than a comparable current model, and be susceptible to increased downtime due to unforeseen mechanical failures.

VEHICLE/EQUIPMENT EVALUATION FORM

Date of Evaluation: 2020-05-21

Evaluator: Adam Beveridge

<u>Equipment Unit #:</u>	<u>24</u>	<u>Make:</u>	<u>Dodge</u>	<u>Model:</u>	<u>4500</u>
<u>VIN or Serial#:</u>	<u>3D6WA6EL6BG51963</u>			<u>Department:</u>	<u>Roads</u>
<u>Year:</u>	<u>2011</u>	<u>Years of Service:</u>	<u>9</u>	<u>In Service Date:</u>	<u>2010</u>
<u>Mileage / Hours:</u>	<u>72,022 KMS</u>				
CAPITAL COST CONSIDERATIONS:					
<u>Purchase Cost:</u>	<u>\$ 49,122</u>	<u>Replacement Cost</u>	<u>\$ 65,000</u>	<u>Trade in Value:</u>	<u>\$18,000</u>
<u>LIFECYCLE RECOMMENDATION PER FLEET STRAT</u>			<u>10 years</u>		

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	2	\$1000
Tires	2	\$1500
Hydraulic System	3	
Electrical System	3	
Body	2	\$8,000
Interior	3	
Exterior	2	
Heating/Air Conditioning	3	
Pumping System	N/A	
Other	N/A	
Total Estimated Repair Cost	\$10,500	

Diagnosis Code	Code Description
Good 3	System is functioning well - no repairs expected at this time
Fair 2	Minor repairs required
Poor 1	Major repairs needed as soon as possible – consider replacing

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

Evaluators Comments: This unit will require brakes and tires when due for its CVOR. The dump box and rear tailgate are severely corroded and require repair. This truck has an ongoing emission control system issues

Life Cycle Considerations as Per Fleet Strategy: As per the Fleet Strategy this unit has not yet reached its expected lifecycle however it will require some body repair due to corrosion. It should be considered for replacement in 2022 as it reaches its lifecycle expectancy.

RECOMMENDATIONS: This unit should be considered for replacement in 2022 in order to achieve the maximum lifecycle and trade in value, based on the current condition of the unit.

Town of Aurora

Capital Projects

Project	34441 Roads - Street Sweeper (#40-21)		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
EQUIPMENT - OTHER		305,000	305,000			305,000		
		305,000	305,000			305,000		
Expenditures Total		305,000	305,000			305,000		
Funding								
Infrastructure Sustainability Reserves								
FLEET R&R RESERVE CONT'N						305,000		
						305,000		
Funding Total						305,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021-Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To replace aging 2010 Street Sweeper utilizer to clean roads April thru November weekly. Recommended for replacement as per AMP/FMS and mechanical condition assessment
Within 10 yr Capital plan

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Requires approximately \$10,000 of repairs to replace drive motors. Other aspects of the machine are worn down etc. main drive belt,hydraulic hoses/motors. Vehicle in for repairs frequently resulting in lengthy downtime.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Increased staff productivity, less maintenance and downtime, lower operating costs

Please provide an explanation of what the outcomes would be if the project was not approved.

Without replacement, this aging vehicle will require more repair investment, will consume more fuel than a comparable current model, and be susceptible to increased downtime due to unforeseen mechanical failures. Service levels could be impacted significantly due to operational issues.

VEHICLE/EQUIPMENT EVALUATION FORM

Date of Evaluation: 2020-05-21

Evaluator: Adam Beveridge

<u>Equipment Unit #:</u>	<u>40</u>	<u>Make:</u>	<u>Pelican</u>	<u>Model:</u>	<u>NP</u>
<u>VIN or Serial#:</u>	<u>NP1361D</u>			<u>Department:</u>	<u>Roads</u>
<u>Year:</u>	<u>2010</u>	<u>Years of Service:</u>	<u>10</u>	<u>In Service Date:</u>	<u>2010</u>
<u>Mileage / Hours:</u>	<u>3945 Hours</u>				
CAPITAL COST CONSIDERATIONS:					
<u>Purchase Cost:</u>	<u>\$ 201,000</u>	<u>Replacement Cost</u>	<u>\$ 250,000</u>	<u>Trade in Value:</u>	<u>100,000k</u>
<u>LIFECYCLE RECOMMENDATION PER FLEET STRAT</u>			<u>10 years</u>		

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	1	\$10,000
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	3	
Tires	3	
Hydraulic System	3	
Electrical System	3	
Body	3	
Interior	3	
Exterior	3	
Heating/Air Conditioning	N/A	
Pumping System	3	
Other	N/A	
Total Estimated Repair Cost	\$10,000	

Diagnosis Code	Code Description
Good 3	System is functioning well - no repairs expected at this time
Fair 2	Minor repairs required
Poor 1	Major repairs needed as soon as possible – consider replacing

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

Evaluators Comments: Sweeper is safe to use at time of inspection. However, it has a very noisy drive hydraulic motor which could fail at anytime.

Life Cycle Considerations as Per Fleet Strategy: As per the Fleet Strategy this sweeper has reached its expected lifecycle and should be put into replacement rotation.

RECOMMENDATIONS: This unit should be replaced soonest as the potential repairs due to catastrophic failure could be costly and the equipment downtime will be substantial. Replacement should be considered due to age.

Town of Aurora

Capital Projects

Project	71136 Parks - 1 Ton Pick Up Crew Cab (#203-21)		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
EQUIPMENT - OTHER		62,800	62,800			62,800		
		62,800	62,800			62,800		
Expenditures Total		62,800	62,800			62,800		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
FLEET R&R RESERVE CONT'N						62,800		
						62,800		
Funding Total						62,800		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Replacement of 2011 Parks Division crew cab truck, which came into service in 2010

Truck is utilized by Parks for daily operational maintenance turf crew May through October towing a trailer/mowers and other equipment

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Vehicle replacement as per AMP/FMS

Requires approx \$3600 in repairs - brakes/tires/body work, truck value \$12,000

Heavily used truck which is strained by trailer use for turf equipment daily

Probability of incurring repair costs due to unforeseen breakdowns as vehicle ages

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Allows for staff to complete job tasks efficiently and to get to and from job sites, less maintenance and downtime, lower operating costs.

Please provide an explanation of what the outcomes would be if the project was not approved.

Without replacement, this aging truck will require more repair investment in the future and be susceptible to increased downtime due to unforeseen mechanical failures.

VEHICLE/EQUIPMENT EVALUATION FORM

Date of Evaluation: 2020-05-21

Evaluator: Adam Beveridge

<u>Equipment Unit #:</u>	<u>203</u>	<u>Make:</u>	<u>Ford</u>	<u>Model:</u>	<u>F350</u>
<u>VIN or Serial#:</u>	<u>1GC0CVG2BF244004</u>			<u>Department:</u>	<u>Parks</u>
<u>Year:</u>	<u>2011</u>	<u>Years of Service:</u>	<u>9</u>	<u>In Service Date:</u>	<u>2010</u>
<u>Mileage / Hours:</u>	<u>62,055</u>				
CAPTIAL COST CONSIDERATIONS:					
<u>Purchase Cost:</u>	<u>\$ 32,561</u>	<u>Replacement Cost</u>	<u>\$ 60,000</u>	<u>Trade in Value:</u>	<u>\$12,000</u>
<u>LIFECYCLE RECOMMENDATION PER FLEET STRAT</u>			<u>10 years</u>		

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	2	\$1000
Tires	2	\$1000
Hydraulic System	3	
Electrical System	3	
Body	3	\$1000
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System	N/A	
Other	Tool Box	\$600
Total Estimated Repair Cost	\$3600	

Diagnosis Code	Code Description
Good 3	System is functioning well - no repairs expected at this time
Fair 2	Minor repairs required
Poor 1	Major repairs needed as soon as possible – consider replacing

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

Evaluators Comments: This unit will require brakes and tires on the next CVOR inspection. The tool box on this truck is broken and requires replacement. There is minor body damage that requires repair however the vehicle is safe to operate at time of inspection.

Life Cycle Considerations as Per Fleet Strategy: As per the Fleet Strategy this unit has not yet reached its expected lifecycle and is in average condition with low mileage.

RECOMMENDATIONS: This unit should be considered for replacement in 2021 in order to achieve the maximum lifecycle and trade in value, based on the current condition of the unit.

Town of Aurora

Capital Projects

Project	71154 Parks - Utility Trailer (#231-21)		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
EQUIPMENT - OTHER		15,000	15,000			15,000		
		15,000	15,000			15,000		
Expenditures Total		15,000	15,000			15,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
FLEET R&R RESERVE CONT'N						15,000		
						15,000		
Funding Total						15,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To replace a 1997 flat bed trailer in the Parks Division

Trailer is utilized by staff to haul bleachers/ picnic tables/equipment/hort barrels etc to maintain parks and open spaces spring, summer and fall. Trailer is vital to the operation and has more than surpassed its lifecycle, showing significant wear and degradation.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Extensive corrosion to side rails and cross deck supports.

Tires on this trailer need replacing and some replacement of fenders due to corrosion

Safety concerns as the corrosion is quite severe and trailer is used extensively and relied upon to complete tasks

Trailer needs \$800 of work approximately and is valued at \$1000

Trailer has exceeded its lifecycle of 15 years.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Staff will be able to perform their duties in a timely manner without downtime due to equipment failure, costs will decrease, safety concerns addressed, and maintenance service level standards met.

Please provide an explanation of what the outcomes would be if the project was not approved.

Strong possibility trailer would need to be pulled off the road due to safety issues and maintenance service levels standards would suffer or not be met. Impact to permit holders and special events.

VEHICLE/EQUIPMENT EVALUATION FORM

Date of Evaluation: 2020-05-21

Evaluator: Adam Beveridge

<u>Equipment Unit #:</u>	<u>203</u>	<u>Make:</u>	<u>Ford</u>	<u>Model:</u>	<u>F350</u>
<u>VIN or Serial#:</u>	<u>1GC0CVG2BF244004</u>			<u>Department:</u>	<u>Parks</u>
<u>Year:</u>	<u>2011</u>	<u>Years of Service:</u>	<u>9</u>	<u>In Service Date:</u>	<u>2010</u>
<u>Mileage / Hours:</u>	<u>62,055</u>				
CAPTIAL COST CONSIDERATIONS:					
<u>Purchase Cost:</u>	<u>\$ 32,561</u>	<u>Replacement Cost</u>	<u>\$ 60,000</u>	<u>Trade in Value:</u>	<u>\$12,000</u>
LIFECYCLE RECOMMENDATION PER FLEET STRAT			<u>10 years</u>		

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	2	\$1000
Tires	2	\$1000
Hydraulic System	3	
Electrical System	3	
Body	3	\$1000
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System	N/A	
Other	Tool Box	\$600
Total Estimated Repair Cost	\$3600	

Diagnosis Code	Code Description
Good 3	System is functioning well - no repairs expected at this time
Fair 2	Minor repairs required
Poor 1	Major repairs needed as soon as possible – consider replacing

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

Evaluators Comments: This unit will require brakes and tires on the next CVOR inspection. The tool box on this truck is broken and requires replacement. There is minor body damage that requires repair however the vehicle is safe to operate at time of inspection.

Life Cycle Considerations as Per Fleet Strategy: As per the Fleet Strategy this unit has not yet reached its expected lifecycle and is in average condition with low mileage.

RECOMMENDATIONS: This unit should be considered for replacement in 2021 in order to achieve the maximum lifecycle and trade in value, based on the current condition of the unit.

Town of Aurora

Capital Projects

Project	71158 Parks - Grass Crew Trailer (#244-21)		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
EQUIPMENT - OTHER		15,000	15,000			15,000		
		15,000	15,000			15,000		
Expenditures Total		15,000	15,000			15,000		
Funding								
Infrastructure Sustainability Reserves								
FLEET R&R RESERVE CONT'N						15,000		
						15,000		
Funding Total						15,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2020 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To replace a 2009 grass crew trailer in the Parks Division

Trailer is utilized by the turf maintenance crew to haul mowers and other equipment, maintain grass in parks and open spaces spring, summer and fall. Trailer is vital to the operation and has more than surpassed its lifecycle, showing significant wear and degradation.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Extensive corrosion to side rails and cross deck supports, steel bulging from the rust.

Tires on this trailer need replacing multiple times a season, very old axle design that takes specific tires that are expensive

Safety concerns as the corrosion is quite severe and trailer hauls some heavy equipment

Trailer needs \$3,600 of work approximately and is valued at \$3,000-\$4,000.

Trailer has not met its lifecycle of 15 years, however condition assessment warrants replacement.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Staff will be able to perform their duties in a timely manner without downtime due to equipment failure, costs will decrease, safety concerns addressed, and maintenance service level standards met.

Please provide an explanation of what the outcomes would be if the project was not approved.

Strong possibility trailer would need to be pulled off the road due to safety issues and maintenance service levels standards would suffer or not be met. Impact to permit holders and users of sports fields and other park venues.

VEHICLE/EQUIPMENT EVALUATION FORM

Date of Evaluation: 2020-05-21

Evaluator: Adam Beveridge

<u>Equipment Unit #:</u>	<u>244</u>	<u>Make:</u>	<u>J&J Trailer</u>	<u>Model:</u>	<u>LD2</u>
<u>VIN or Serial#:</u>	<u>2J9USD2D29T011760</u>			<u>Department:</u>	<u>Parks</u>
<u>Year:</u>	<u>2009</u>	<u>Years of Service:</u>	<u>11</u>	<u>In Service Date:</u>	<u>2009</u>
<u>Mileage / Hours:</u>	<u>Unknown</u>				
CAPTIAL COST CONSIDERATIONS:					
<u>Purchase Cost:</u>	<u>\$ 8,758</u>	<u>Replacement Cost</u>	<u>\$ 12,000</u>	<u>Trade in Value:</u>	<u>\$3-4000</u>
<u>LIFECYCLE RECOMMENDATION PER FLEET STRAT</u>			<u>15 years</u>		

System	Diagnosis	Estimated Repair Cost
Engine	N/A	
Transmission	N/A	
Drive Line	N/A	
Suspension	3	
Steering	N/A	
Exhaust	N/A	
Brakes	3	
Tires	3	
Hydraulic System	N/A	
Electrical System	3	
Body	2	\$2,000
Interior	N/A	
Exterior	2	
Heating/Air Conditioning	N/A	
Pumping System	N/A	
Other	N/A	
Total Estimated Repair Cost	\$2,000	

Diagnosis Code	Code Description
Good 3	System is functioning well - no repairs expected at this time
Fair 2	Minor repairs required
Poor 1	Major repairs needed as soon as possible – consider replacing

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

Evaluators Comments: This unit will require extensive body repairs due to corrosion.

Life Cycle Considerations as Per Fleet Strategy: As per the Fleet Strategy this unit has not yet reached its expected lifecycle however it will require some body repair due to corrosion.

RECOMMENDATIONS: This unit should be considered for replacement in 2022 slightly before its expectant lifecycle, due to condition and replacement cost.



Town of Aurora

Capital Projects

Project	72281 AFLC - Skate Park Reconstruction		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS	675,000	675,000		28,239	26,761	620,000	520,000	
	675,000	675,000		28,239	26,761	620,000	520,000	
Expenditures Total	675,000	675,000		28,239	26,761	620,000	520,000	
<i>Funding</i>								
Infrastructure Sustainability Reserves								
PARKS R&R RESERVE CONT'N						600,000	520,000	
BLDG, FURN & FIX R&R RESERVE				28,239	26,761	20,000		
				28,239	26,761	620,000	520,000	
Funding Total				28,239	26,761	620,000	520,000	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Project Designed in 2020 - Construction 2021. (2021 Budget request of \$520K not approved).

Provide a brief overview of the project and include the key goals, objectives and performance measures.

The skate park was constructed in 2013, after the first winter the surface started to crack, every year since the cracking has increased with areas of concrete delaminating, specifically where water pools on the flat areas. In 2018 an engineering consultant, Greenview Environmental Management (GEM) was secured to complete an investigation. It was found that the drainage under the park and rebar within the concrete was insufficient and not to specification. GEM concluded the replacement of the facility, including the establishment of drainage solutions would address all deficiencies, with an estimated cost of \$400,000 - \$600,000. Staff generated the capital budget based on estimates provided as part of their deficiencies investigation report on the skate park in 2018.

In June 2019, Council approved Report No. OPS19-016 to lift the conditional approval of Capital Project No. 72281 AFLC Skate Park reconstruction for \$600,000. Following the approval, staff toured some recent skate parks constructed by other municipalities to look at new design elements and potential improvements to the AFLC facility. In addition, staff developed a survey with the assistance of the Recreation Division to engage the users regarding the skate park facility in an effort to explore the use of amenities and potential improvements to enhance the overall experience. Improvements included lighting for safety and extended use when days of year shorter, shade structure for resting under/seating and water bottle filling station so users do not need to go into building. This information was included in the RFP to retain a consultant to design and prepare tender documents for construction

The estimated costs provided by the consultant for the construction exceed the budget funding allotted to the project. The cost to replace the concrete surface only is \$550,000, this is without removal of original skate park, grading works, contingency and consultant design. Additional amenities as per the user group survey results in an additional \$138,000.

Town of Aurora

Capital Projects

Project	72281 AFLC - Skate Park Reconstruction		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Extreme winter frost and poor drainage will continue to impact the skate park and at some point if not corrected the skate park will have to be shut down due to safety reasons. Parks staff inspected the facility in May 2020, as expected the cracking, delaminating of the concrete surface and pooling of water continues, increasing the risk of injury to users. Mitigation of the deficiencies carry on through patching and grinding of the concrete deficiencies, utilizing various measures and methods to help alleviate the ongoing problems and reduce risk to users. The skate park condition continues to be inspected and monitored daily, April thru November by parks staff ensuring facility is safe for use as per the Park Maintenance Standard Service Levels.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The continued use of the skate park, longevity of the asset and reduced risk of injury due to spalling concrete and cracks currently associated with the amenity.

Please provide an explanation of what the outcomes would be if the project was not approved.

The Town has a duty to maintain the Skate Park. To date, the Town has not received any claims concerning the Skate Park. Condition of Skate park will continue to deteriorate and when risk cannot be managed park will need to be closed.

Town of Aurora

Capital Projects

Project	73160 Emerald Ash Borer Management Program		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	1,799,850	2,069,850	270,000	1,386,597	413,253	270,000	280,000	
	1,799,850	2,069,850	270,000	1,386,597	413,253	270,000	280,000	
Expenditures Total	1,799,850	2,069,850	270,000	1,386,597	413,253	270,000	280,000	
Funding								
Special Purpose Reserve Funds								
EMERALD ASH BORER RESERVE				1,239,747	413,253	270,000	280,000	
				1,239,747	413,253	270,000	280,000	
Council Discretionary Reserve Funds								
Council Discretionary Contributions				10,000				
				10,000				
Other Funding Sources								
CONTRIBUTION FROM GENERAL				136,850				
				136,850				
Funding Total				1,386,597	413,253	270,000	280,000	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018
Q2-Q3 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.
To manage the Emerald Ash Borer (EAB) infestation of the municipal street tree inventory, parks and wood lots, further funding is required in support of this program. This is year 9 of 10 for this program.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.
The implementation of year 9 of the EAB Management Plan will involve the continued treatment of approximately 2200 ash trees. Not all ash street trees will qualify for treatment based on their declining condition as a result of EAB infestation, therefore removal and replanting is necessary. It was indicated that the number of EAB infested trees was on the incline in 2014. As such the situation is unfolding as predicted in terms of timing and effects of this insect. Trees have been doing quite well as a result of the treatments and it is easy to recognize treated vs untreated trees. Staff are continuing to monitor the Ash tree inventory to gauge the effectiveness of the treatment program.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.
To maintain public safety associated with the removal of dying and potentially dangerous trees, to maintain acceptable neighbourhood aesthetics and to re-establish the tree canopy by replacing trees that are removed.

Town of Aurora

Capital Projects

Project	73160 Emerald Ash Borer Management Program		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

All ash trees on municipal lands would perish due to EAB. Perishing trees may result in safety concerns for home owners or pedestrians and a decline in neighbourhood aesthetics.

Town of Aurora

Capital Projects

Project	73160 Emerald Ash Borer Management Program		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

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Town of Aurora

Capital Projects

Project	73175 Walkway Lights - Graham Parkette		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS		60,000	60,000			60,000		
		60,000	60,000			60,000		
Expenditures Total		60,000	60,000			60,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
PARKS R&R RESERVE CONT'N						60,000		
						60,000		
Funding Total						60,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q3-4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To upgrade pathway lighting system to the standard of existing pole and fixture styles in all other Parks. This will include conversion to LED lamps.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

When all other park pathway lamps were converted to LED in 2017, staff were unable to complete Graham Park as it has a lamp which we could not retrofit. In addition it was discovered that the electrical lines were directly buried in the ground, this would have occurred when park was constructed by the developer back in the 1980's. As such it is necessary to bring the park lighting up to code with the replacement of electrical wires in conduit, new poles and energy efficient LED lamps

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Consistent poles and lamps in all parks, reflecting our parks standards and a system that is up to ESA code.

Please provide an explanation of what the outcomes would be if the project was not approved.

Potential liable due to safety infraction.

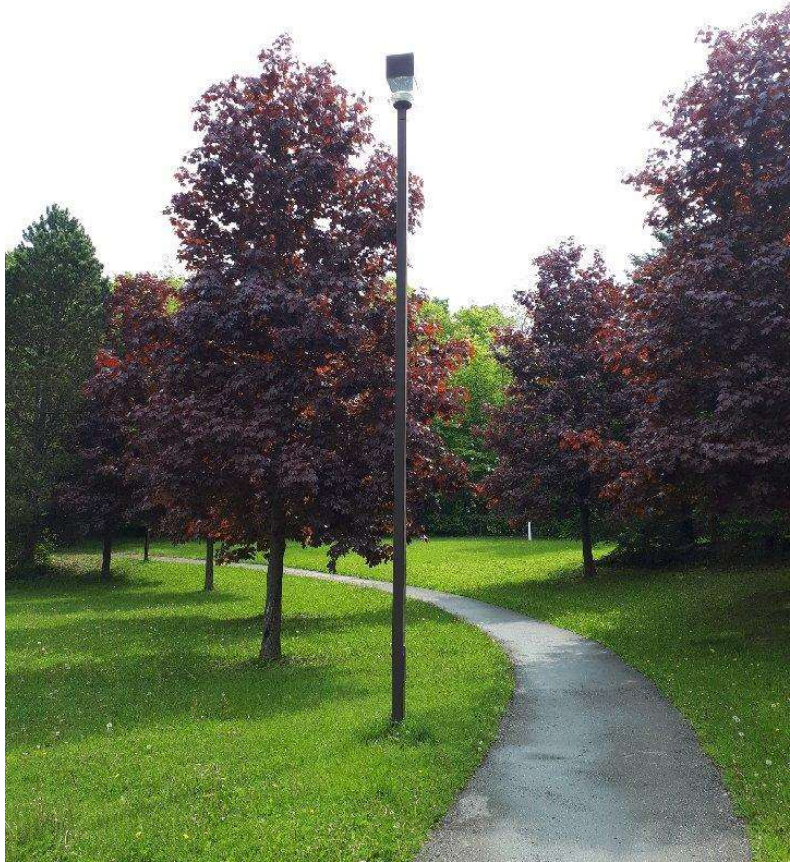
Town of Aurora

Capital Projects

Project	73175 Walkway Lights - Graham Parkette		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Pictures\20190605_103034.jpg



Town of Aurora

Capital Projects

Project	73175 Walkway Lights - Graham Parkette		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Pictures\20190605_103048.jpg



Town of Aurora

Capital Projects

Project	73192 Board Walk Resurface McKenzie Marsh		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS		600,000	600,000			600,000		
		600,000	600,000			600,000		
Expenditures Total		600,000	600,000			600,000		
Funding								
Infrastructure Sustainability Reserves								
PARKS R&R RESERVE CONT'N						600,000		
						600,000		
Funding Total						600,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q2 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To replace full hemlock wood structure of the boardwalk with pressure treated wood - helical piers to remain.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Boardwalk constructed in 2010 out of rough sawn hemlock on helical piers as per consultants recommendations and through routine inspections staff have found the hemlock is rotting out at an alarming rate. A significant number of deck surfacing boards have been removed and replaced over the last 3 years. The main joists are now rotting out and structural integrity is being compromised. Staff have been monitoring and repairing and stabilizing where necessary so the boardwalk can remain safe to the public and open but at some point as more of the structure becomes compromised it may be necessary to close the boardwalk to the public. It has been surmised that lack of airflow has lead to the early degradation of the structure. A severe drought that occurred a few years ago allowed the open water under the boardwalk to be taken over in the marsh by bull rushes. This has lead to tightly packed vegetation under the boardwalk therefore, not allowing for airflow and promoting a moist/wet environment. Staff are recommending replacement of boardwalk with pressure treated wood. This boardwalk is the main connection between north Aurora/Newmarket and south Aurora trails.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Safe infrastructure for trail users, connectivity for recreation and alternative modes of public travel

Town of Aurora

Capital Projects

Project	73192 Board Walk Resurface McKenzie Marsh		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

Potential for the Corporation becoming liable due to safety concerns, significant cost increases for repairs and closure of boardwalk. Loss of connectivity and a main trail attraction in Aurora.

Town of Aurora

Capital Projects

Project	73192 Board Walk Resurface McKenzie Marsh		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Documents\Boardwalk Decay 1.jpg



Town of Aurora

Capital Projects

Project	73192 Board Walk Resurface McKenzie Marsh		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Documents\Boardwalk Decay 2.jpg



Town of Aurora

Capital Projects

Project	73215 Playground Replacement, Walkway Repaving- L Willson Park		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS		180,000	180,000			180,000		
		180,000	180,000			180,000		
Expenditures Total		180,000	180,000			180,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
PARKS R&R RESERVE CONT'N						180,000		
						180,000		
Funding Total						180,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To replace an aging playground structure in Lambert Willson Park to increase safety and usability for residents.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Lambert Willson Park playground has been in service since the 1999 . There are significant wear patterns to the decking/platforms that have been identified during monthly playground inspections in the past year. In addition staff have had to replace a slide and other plastic components (approx. \$10,000) over the last two years as they have become brittle due to UV degradation. This playground will be replaced with a more functional structure w/ additional AODA components. The fall protection surfacing will also be replaced as part of the project. Playground is in a destination park where many events are held yearly by users groups and the Town.
Asset is in 10 year Capital Plan & past its lifecycle as per the Asset Management Plan.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

By replacing the aging structure, children will have an inviting space to play that will keep them active and engaged with their peers. Risks will also be lowered as the structure will be built as per the latest CSA standards.

Please provide an explanation of what the outcomes would be if the project was not approved.

The Corporation could be liable as the asset ages and safety risks become greater. Increased costs incurred by keeping the aging infrastructure up to standard.

Town of Aurora

Capital Projects

Project	73215 Playground Replacement, Walkway Repaving- L Willson Park		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Documents\Lambert Playground 1.jpg



Town of Aurora

Capital Projects

Project	73215 Playground Replacement, Walkway Repaving- L Willson Park		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Documents\Lambert Playground 2.jpg



Town of Aurora

Capital Projects

Project	73215 Playground Replacement, Walkway Repaving- L Willson Park		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Sara Tienkamp\Documents\Lambert Playground 3.jpg



Town of Aurora

Capital Projects

Project	73242 Reconstruction of Fleury Park Washroom Facility		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	350,000	480,000	130,000	5,156	24,844	450,000		
	350,000	480,000	130,000	5,156	24,844	450,000		
Expenditures Total	350,000	480,000	130,000	5,156	24,844	450,000		
Funding								
Infrastructure Sustainability Reserves								
PARKS R&R RESERVE CONT'N				5,156	24,844	450,000		
				5,156	24,844	450,000		
Funding Total				5,156	24,844	450,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Project conditionally approved - as per OPS19-018 approved on July 23, 2019, conditional approval lifted Detailed design and tender 2020 Construction 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

In 2015 the Town of Aurora successfully submitted an application to the Canada 150 Community Infrastructure Program to facilitate the rehabilitation of the Fleury Park Washroom Facility, which required work to be completed by end of 2017. Parks retained a consultant (PRS 2016-46) to redesign the building, including mechanical, structural, architectural, electrical and contract document preparation. It was found that the building only had approx 20 yrs of viability left and that it would be better to demolish the building and rebuild. To rebuild, required the Town to discuss the project with LSRCA as the building site is directly within the flood plain. At the time, LSRCA was not in support of the project reconstruction, so the project lost grant funding as it was not feasible to get the project completed within grant time lines. In 2019, LSRCA provided approval to proceed with reconstruction of the building on the existing footprint. Staff secured a design consultant through an RFP and design started on the building in 2020. Submissions of design were provided to LSRCA and Alectra for approval. Alectra requires the park electrical to be upgraded for the park to facilitate the new washroom, estimates are \$80,000+/- . In addition the plumbing and electrical for the building requires flood proofing as per LSRCA for issuance of a permit. Both these items were not accounted for in the budget and requires an increase in order to reconstruct the washroom.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The building was constructed in the mid 70's and has become very aged/tired and does meet current AODA standards. The building needs to be brought up to current code and amenities upgraded within the washroom areas within this busy multi-use Community Park. The building also has storage to house cleaning supplies but over the years this space has become needed by Town program staff to assist in storage of materials needed to help deliver their programs, primarily summer camps. Ideally, the storage area would be separate from the utility room for safety and ease of access.

Town of Aurora

Capital Projects

Project	73242 Reconstruction of Fleury Park Washroom Facility		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The new facility will be inviting and barrier free for all users. Improvements will provide better infrastructure and increased storage to facilitate the towns demand for additional storage. A new building will have a life expectancy of more than 50 years.

Please provide an explanation of what the outcomes would be if the project was not approved.

Increased cost to maintain structure in safe/functional manner. Not being able to provide an inclusive facility to residents and patrons of the park.

Town of Aurora

Capital Projects

Project	73242 Reconstruction of Fleury Park Washroom Facility		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

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Town of Aurora

Capital Projects

Project	73242 Reconstruction of Fleury Park Washroom Facility		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

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Town of Aurora

Capital Projects

Project	73242 Reconstruction of Fleury Park Washroom Facility		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

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Town of Aurora

Capital Projects

Project	34007 Webster Drive Curb/Road Drainage Repair		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
<i>Expenditures</i>								
Estimated Expenditures								
CONTRACTS		65,000	65,000			65,000		
		65,000	65,000			65,000		
Expenditures Total		65,000	65,000			65,000		
<i>Funding</i>								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R						65,000		
						65,000		
Funding Total						65,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Project will resolve a long standing and persistent road drainage problem at the road curb line in the vicinity of 32 Webster Drive. There are two main drivers contributing to this matter a) the curb line by design is relatively flat such that the nearest storm water catch basin is too distant for the water to completely drain from this location, often resulting in pond water in the gutter for many days or weeks following a precipitation event & b) over time the road and curb have settled and or heaved from seasonal freezing and thawing cycles, further aggravating the issue.

Key Goals include resolution of problematic drainage issue, to reduce public liability due to slip and falls , to maintain positive drainage of the road way as per standard municipal street design and performance standards

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

This drainage issue has been a very long standing issue and a concern to the neighbouring resident at this location, there have been repeated requests to the Town by the resident for mitigation of this problem. The fact that the road does not drain appropriately should be cause for concern as the section of the roadway is not functioning. Roads Operations have had discussions with our Engineering Department and it was determined that Roads Operations would take the lead on its resolution. As such, Staff engaged a Civil Engineering consulting firm to review the matter and provide their findings as to cause and potential solutions, This work was completed in spring 2020 and a practical solution to the matter has been designed and provided for implementation. Based on this work to date and the fact that both the problem and the solutions have been identified staff suggest that it is in the interests of public safety and compliance this work should proceed.

It should also be noted that there was a previous slip and fall incident at this location during the winter of 2019 which led to some legal implications ,In view of this and our knowledge of this issue the Town should act in resolving this drainage problem

Town of Aurora

Capital Projects

Project	34007 Webster Drive Curb/Road Drainage Repair		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Benefits include , resolving a long standing road drainage problem , Responding to a local resident who has requested that the Town act on this matter, exercising prudent risk management and reducing the likelihood of further slip and fall incident and personal injury , Improve municipal maintenance and a return to compliance with Municipal road design and ,maintenance standards and

Please provide an explanation of what the outcomes would be if the project was not approved.

Drainage issue will continue to persist, potential further liability and risk to the corporations now that the matter has been formally acknowledged by the Town and a solution provided

Town of Aurora

Capital Projects

Project	34007 Webster Drive Curb/Road Drainage Repair		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Gallery

C:\Users\Jim Tree\Pictures\Webster1.jpg



Town of Aurora

Capital Projects

Project	34616 Side Walk /Engineered Walkway Reconstruction		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	200,000	525,000	325,000		200,000	175,000	150,000	958,100
	200,000	525,000	325,000		200,000	175,000	150,000	958,100
Expenditures Total	200,000	525,000	325,000		200,000	175,000	150,000	958,100
Funding								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R					200,000	175,000	150,000	958,100
					200,000	175,000	150,000	958,100
Funding Total					200,000	175,000	150,000	958,100

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q4 2020 through Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To mitigate a outstanding backlog of failing infrastructure of sidewalks and engineered walkways have fallen into disrepair. This is driven by the results of our annual sidewalk inspection program whereby all sidewalks are inspected, deficiencies identified and rated by condition. Through this program we have identified approximately 5000 square meters of sidewalk surface with a low condition rating. Project goals include the implementation of an ongoing sidewalk maintenance management program in accordance with Provincial Legislation and sound risk management practises. Performance measures include the provision of a consistent and scheduled level of inspection and repair of critical infrastructure with an ongoing response and action plan in addressing public liability and risk.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

With a current backlog of deficiencies now identified and on the public record the Corporation is obligated to proceed with these much needed walkway surface repairs. With the current outstanding work valued at more than \$700,000 staff have prioritized the necessary work such that it is reasonable to conduct the project over 4-5 years. The service level associated with this infrastructure has been inadequate for a lengthy period of time such that the Corporation must address this issue in order to remain compliant with legislated requirements and for the overall benefit of the community. Staff are very confident that with the approval of this project and the steps and investment that have already been taken in managing this infrastructure, the Corporation is already much better served in the the responsible provision of this service level.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

Multiple benefits include reduction of risk to Corporation, improvement in community safety, fewer customer complaints over long standing and degraded walkway surface conditions.

Town of Aurora

Capital Projects

Project	34616 Side Walk /Engineered Walkway Reconstruction		
Department	Operational Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.
Unacceptable infrastructure conditions, risk and liability to the Corporation, non compliance with provincial legislation, less engagement and concern from staff.

Town of Aurora

Capital Projects

Project	31124 Henderson Dr. - Wildlife Passage		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	175,000	175,000			175,000			
	175,000	175,000			175,000			
Expenditures Total	175,000	175,000			175,000			
Funding								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R					175,000			
					175,000			
Funding Total					175,000			

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2020 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To provide funding for the construction of a sidewalk (if feasible) and a wildlife passage for Henderson Dr. from Bathurst Str. to Yonge St. Construction of a sidewalk on the south side of Henderson from Bathurst to Watts Meadow and the construction of a wildlife passage on Henderson Dr at the Salamander Pond as per Report OPS 19-009. The project will be delivered as follows: design in 2020 and construction of the wildlife ecopassage in 2021. The construction of a new sidewalk will be paired with the road rehabilitation project (mill and overlay) which will be scheduled as a separate project in the future.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

LINKTOSTRATEGICPLAN: Supporting an exceptional quality of life for all, Objective 2: Invest in sustainable infrastructure - maintain and expand infrastructure. Urbanization can have significant impacts on Ontario's native biodiversity. With increased development comes the need for more transportation infrastructure which can significantly impact wildlife habitat through habitat degradation, habitat loss, reduced habitat connectivity and wildlife injury or mortality. Reptiles (turtles) and amphibians (frogs, toads and salamanders) are among those species most at risks from roads. Road ecology minimizes the disruption of natural processes and wildlife.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The project involves the construction of a wildlife ecopassage on Henderson Drive at Salamander Pond through the construction of a crossing structure purposely built for wildlife movements (e.g. reptile tunnel) or by retrofitting the existing infrastructure (e. g, existing drainage culvert). The crossing structure will enable the passage of as many species as possible.

Town of Aurora

Capital Projects

Project	31124 Henderson Dr. - Wildlife Passage		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

If the project is not approved there will be a negative impact on wildlife in the area especially for turtles, impact on habitat connectivity with a high number of vehicle-wildlife collisions ultimately resulting in habitat degradation and habitat loss.

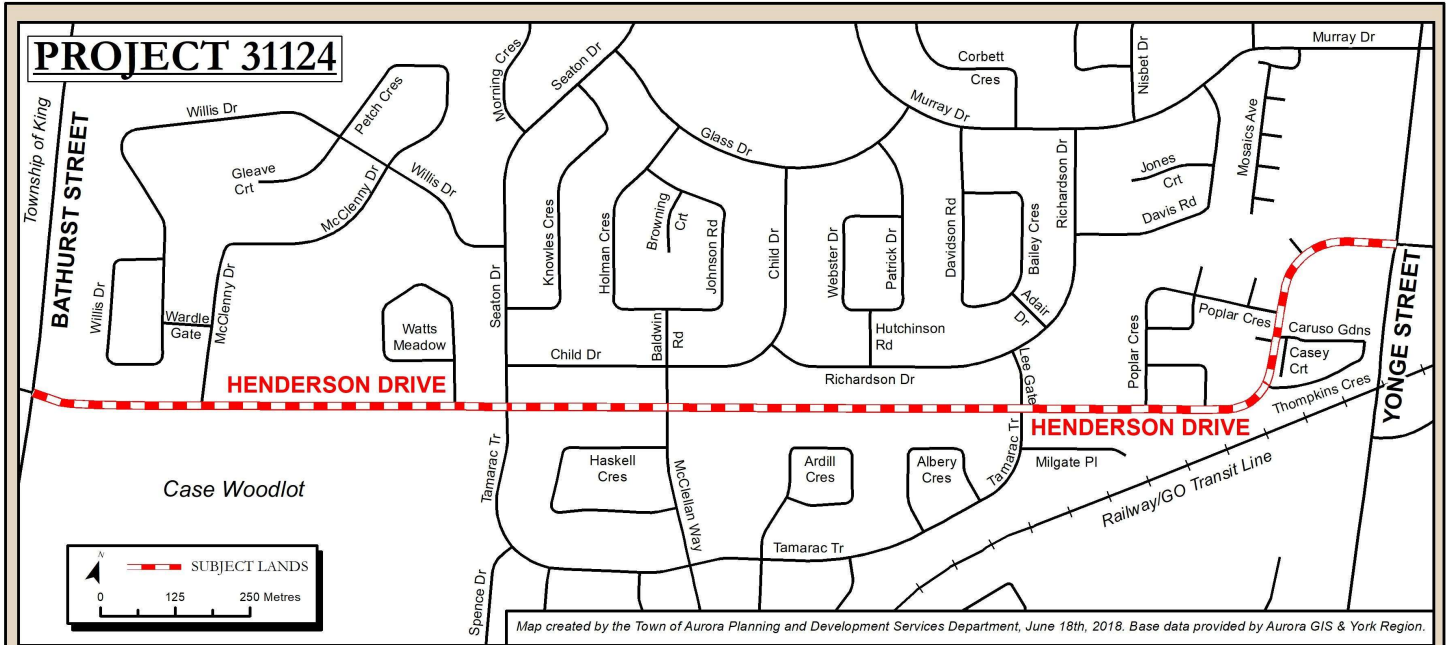
Town of Aurora

Capital Projects

Project	31124 Henderson Dr. - Wildlife Passage		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

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Henderson Drive - Photo #1



Henderson Drive - Photo #2



Henderson Drive - Photo #3

Town of Aurora

Capital Projects

Project	31178 Reconstruction of Poplar Crescent		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING	150,000	150,000		72,081	77,919			
CONTRACTS	2,495,300	3,785,300	1,290,000			3,785,300		
	2,645,300	3,935,300	1,290,000	72,081	77,919	3,785,300		
Expenditures Total	2,645,300	3,935,300	1,290,000	72,081	77,919	3,785,300		
Funding								
Infrastructure Sustainability Reserves								
SANI SEWER R&R RES CONT'N						720,000		
RDS/SDWLKS/ST LGTS R&R				72,081	77,919	1,305,300		
Storm Sewers Contribution						1,300,000		
WATER & SEWER CONTRIBUTION						460,000		
				72,801	77,919	3,785,300		
Funding Total				72,801	77,919	3,785,300		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2019 - Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To provide funding for the reconstruction of Poplar Crescent, design will take place in 2019 and 2020 and reconstruction in 2021. The project includes full depth road reconstruction, sidewalk repairs and replacements as necessary and replacement of the underground infrastructure including: 836m of full depth road reconstruction, 530m of undersized 150mm cast iron watermain to be replaced with 200mm PVC watermain, 254m of new storm sewer ranging in size from 300mm to 525mm, installation of 568m of new 200mm sanitary sewer.

Additional budget request is based on the consultant's detailed design.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

Link to Strategic Plan: Supporting an exceptional quality of life for all, Objective 2: invest in sustainable infrastructure - maintain and expand infrastructure.

This road reconstruction has not been included in the 10 year road reconstruction program, however the project was advanced due to the fact that the storm sewer on Henderson/Poplar needs to be replaced.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The reconstruction will lessen maintenance activities on the road and the old underground infrastructure will be upgraded and replaced.

Town of Aurora

Capital Projects

Project	31178 Reconstruction of Poplar Crescent		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

The storm sewers on the road need to be upgraded and the road will need to be reconstructed as an integrated asset with the underground infrastructure.

Town of Aurora

Capital Projects

Project	31178 Reconstruction of Poplar Crescent		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

Q:_Departments_space\Works\Capital Projects\CP 31178 - Poplar Crescent\CP_31178.jpg

PROJECT 31178

The map shows the project area for the reconstruction of Poplar Crescent. The road is highlighted with a red and white dashed line. Key streets include Davis Rd, Henderson Dr, Henderson Drive, Poplar Cres, Casey Crt, Caruso Gardens, Thompsons Cres, and Yonge Street. The Railway/GO Transit Line is also visible. A scale bar indicates 0, 25, and 50 metres. A legend identifies the red and white dashed line as 'SUBJECT LANDS'.

Poplar Crescent - Photo #1

Poplar Crescent - Photo #2

Poplar Crescent - Photo #3

Map created by the Town of Aurora Planning and Development Services Department, June 19th, 2018. Base data provided by Aurora GIS & York Region. Air Photos taken Spring 2017, © First Base Solutions Inc., 2017 Orthophotography.

Town of Aurora

Capital Projects

Project	31199 Road Resurfacing - Gurnett St., Kennedy St. E., Victoria St.,		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING		250,000	250,000			250,000		
CONTRACTS							1,136,400	
		250,000	250,000			250,000	1,136,400	
Expenditures Total		250,000	250,000			250,000	1,136,400	
Funding								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R					100,000		438,100	
Storm Sewers Contribution					50,000		500,000	
WATER & SEWER CONTRIBUTION					100,000		198,300	
					250,000		1,136,400	
Funding Total					250,000		1,136,400	

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q1 2021 to Q4 2022

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Funding request for the rehabilitation of the following municipal roads: Gurnett Street - Harrison Ave. to Cousins Dr., Kennedy Street East - Yonge St. S. to Gurnett St., Victoria Street - Wellington St. E to Harrison Ave.
 Project includes: 967.9 m of mill and overlay, 1 culvert replacement on Gurnett Street, 489m of watermain relining rehabilitation on Gurnett and a retaining wall replacement on Gurnett Street. The project will be delivered in 2 phases: design in 2021 and construction in 2022.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

LINKTOSTRATEGICPLAN: Supporting an exceptional quality of life for all, Objective 2: Invest in sustainable infrastructure - maintain and expand infrastructure. These roads are included in the 10-year Roads R&R Program which is based on an approved standard service level of PQI=65 to ensure financial self-sufficiency and allow the Town to maintain its roads assets in perpetuity. The past philosophy of "worst roads first" moved to the present philosophy and policy of "applying the right treatment to the right road at the right time".

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The rehabilitation of these streets should better the assets, lessen maintenance activities and maintain an approved standard level of service of PQI=65. The PQI (Pavement Quality Index) provides information on the overall condition of a pavement and knowing and tracking the PQI allows staff to assess if the road network is deteriorating over time under the current funding practices.

Town of Aurora

Capital Projects

Project	31199 Road Resurfacing - Gurnett St., Kennedy St. E., Victoria St.,		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

If the project is not approved maintenance costs for these road assets will increase. Roads as municipal assets should be seen as assets with an intrinsic value but also with an ability to deliver a cost-effective service to the public.

Town of Aurora

Capital Projects

Project	31199 Road Resurfacing - Gurnett St., Kennedy St. E., Victoria St.,		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

J:_Departments_space\Works\Capital Projects\CP 31199 - Mill and Overlay of Gurnett St Victoria St and Kennedy St E\CP_31199.jpg

PROJECT 31199

Map created by the Town of Aurora Corporate Services Department, May 5th, 2020. Base data provided by Aurora GIS & York Region. Air Photos taken Spring 2019, © First Base Solutions Inc., 2019 Orthophotography.

Town of Aurora

Capital Projects

Project	31243 Long Term Remediation for the Pavement Heave Over Vandorf Culvert West of Bayview		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING		30,000	30,000			30,000		
CONTRACTS		200,000	200,000			200,000		
		230,000	230,000			230,000		
Expenditures Total		230,000	230,000			230,000		
Funding								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R						230,000		
						230,000		
Funding Total						230,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q4 2020 to Q4 2021

Provide a brief overview of the project and include the key goals, objectives and performance measures.

Funding required for the long-term remediation of the pavement heave over the culvert on Vandorf Sideroad west of Bayview Avenue (between Archerhill Ct./Monkman Ct. and Engelhard Dr.). Town's geotechnical consultant investigated the issue in the summer of 2020 in order to assess the cause of the pavement heave at the above mentioned location. A geotechnical test pit was excavated directly on top of the culvert and revealed that the mixed materials used as backfill on top of the culvert (such as silty clay to clayey silt) has high frost susceptibility. This is likely the cause of the heaving issue. To eliminate this issue, non-frost susceptible material, such as Granular "B" or clean sand should be placed on top of the culvert.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

LINK TO STRATEGIC PLAN: Supporting an exceptional quality of life for all. Objective 2: Invest in sustainable infrastructure.

The project was not included in the 10-year road rehabilitation plan since it involves a local road rehabilitation by addressing a pavement heaving issue due to the use of frost-susceptible backfill materials on top of the culvert.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

This project will address a pavement deficiency (heaving) on top of the culvert located on Vandorf Sideroad west of Archerhill Ct./Monkman Ct. The project involves removal of asphalt, excavation to remove the existing frost susceptible backfill, placement of a more suitable backfill material which is non-frost-susceptible, and rehabilitation of the asphalt layer on top of the culvert.

Town of Aurora

Capital Projects

Project	31243 Long Term Remediation for the Pavement Heave Over Vandorf Culvert West of Bayview		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

This project provides a long term solution for the pavement heave over the culvert located on Vandorf Sideroad, west of Bayview. If the project is not approved the maintenance costs for this section of the road will increase.

Town of Aurora

Capital Projects

Project	31243 Long Term Remediation for the Pavement Heave Over Vandorf Culvert West of Bayview		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

J:_Departments_space\Works\Capital Projects\CP 31243 - Long Term Remediation of Pavement Heave on Vandorf Sideroad (Culvert)\CP_31243.jpg

PROJECT 31243

Long Term Remediation
Pavement Heave Over
Vandorf Sideroad Culvert

VANDORF SIDEROAD

Archerhill Crt

Monkman Crt

BAYVIEW AVENUE

Culvert on Vandorf Sideroad - North

Culvert on Vandorf Sideroad - South

Map created by the Town of Aurora Corporate Services Department, Business Solutions Group, August 6th, 2020. Base data provided by Aurora GIS & York Region Air Photos taken Spring 2019, © First Base Solutions Inc., 2019 Orthophotography.

N
● LOCATION OF CULVERT
— WATERCOURSE

0 50 100 Metres

Town of Aurora

Capital Projects

Project	42066 Damaged Storm Pipe off Henderson Dr		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING	150,000	150,000		75,899	74,101			
CONTRACTS	2,460,000	3,860,000	1,400,000			3,860,000		
	2,610,000	4,010,000	1,400,000	75,899	74,101	3,860,000		
Expenditures Total	2,610,000	4,010,000	1,400,000	75,899	74,101	3,860,000		
Funding								
Infrastructure Sustainability Reserves								
RDS/SDWLKS/ST LGTS R&R				75,899	74,101	400,000		
Storm Sewers Contribution						3,460,000		
				75,899	74,101	3,860,000		
Funding Total				75,899	74,101	3,860,000		

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Part 1 and 2 of this project will be delivered in partnership with the Region of York from 2018 to 2020. Part 3 of the project will be delivered in 2021 by the Town.

Provide a brief overview of the project and include the key goals, objectives and performance measures.

The project involves the sinkhole repair on Yonge Street and to re-build approximately 470m of storm sewer from Yonge Street through the "Metro Plaza" at 1 Henderson Drive and onto Poplar Crescent. The project will be delivered in 2 parts:

Part 1 - design work and contract documents preparation for the works on Yonge Street to be delivered in 2018/2020 in partnership with the Region,

Part 2 - remediation of the sinkhole on Yonge Street, to be delivered in 2020 on Yonge Street by the York Region, and

Part 3 - upgrade of the storm sewer on Metro Plaza at 1 Henderson Drive, to be delivered by the Town in 2021.

The Town will cost share with the Region the remediation works on Yonge Street. The works on Yonge Street will put additional flow through the storm sewer located on Henderson Plaza resulting in the need for the existing storm sewer infrastructure to be upgraded.

The additional request for funding for 2021 is due to the increased cost of micro-tunneling the storm sewer on the Henderson Plaza private property as well as additional costs for the Yonge Street storm sewer.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The project involves the repair of a sink hole on Yonge Street and the replacement of approx 470m of existing 900mm storm sewer. Approximately 120m of the existing 900mm concrete storm sewer will be abandoned under the existing building and a new storm sewer will be constructed in a new location.

Work includes: repair of the sinkhole on Yonge Street, replacement of storm sewer, relocate concrete storm sewer and connect it to the main sewer line, abandon existing sewer under the building, provide new manholes, connect existing catchbasins to the new sewer, restore the parking lot in the plaza, legal costs

Town of Aurora

Capital Projects

Project	42066 Damaged Storm Pipe off Henderson Dr		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

related to obtaining an easement in the Town's favour and easement registration costs.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The Town has a storm main that flows from Yonge Street behind the "Metro Plaza" at 1 Henderson Drive and then onto Poplar Crescent. Staff video-inspected the storm sewer in the spring of 2016 and found it to be in very poor condition, deformed, broken and in need of repairs. This existing storm sewer is partially located beneath the plaza structure making any infrastructure repairs impractical. A new sewer in a new alignment must be constructed.

Please provide an explanation of what the outcomes would be if the project was not approved.

By undertaking this project, the Town will ensure the existing sewer infrastructure is in good condition.

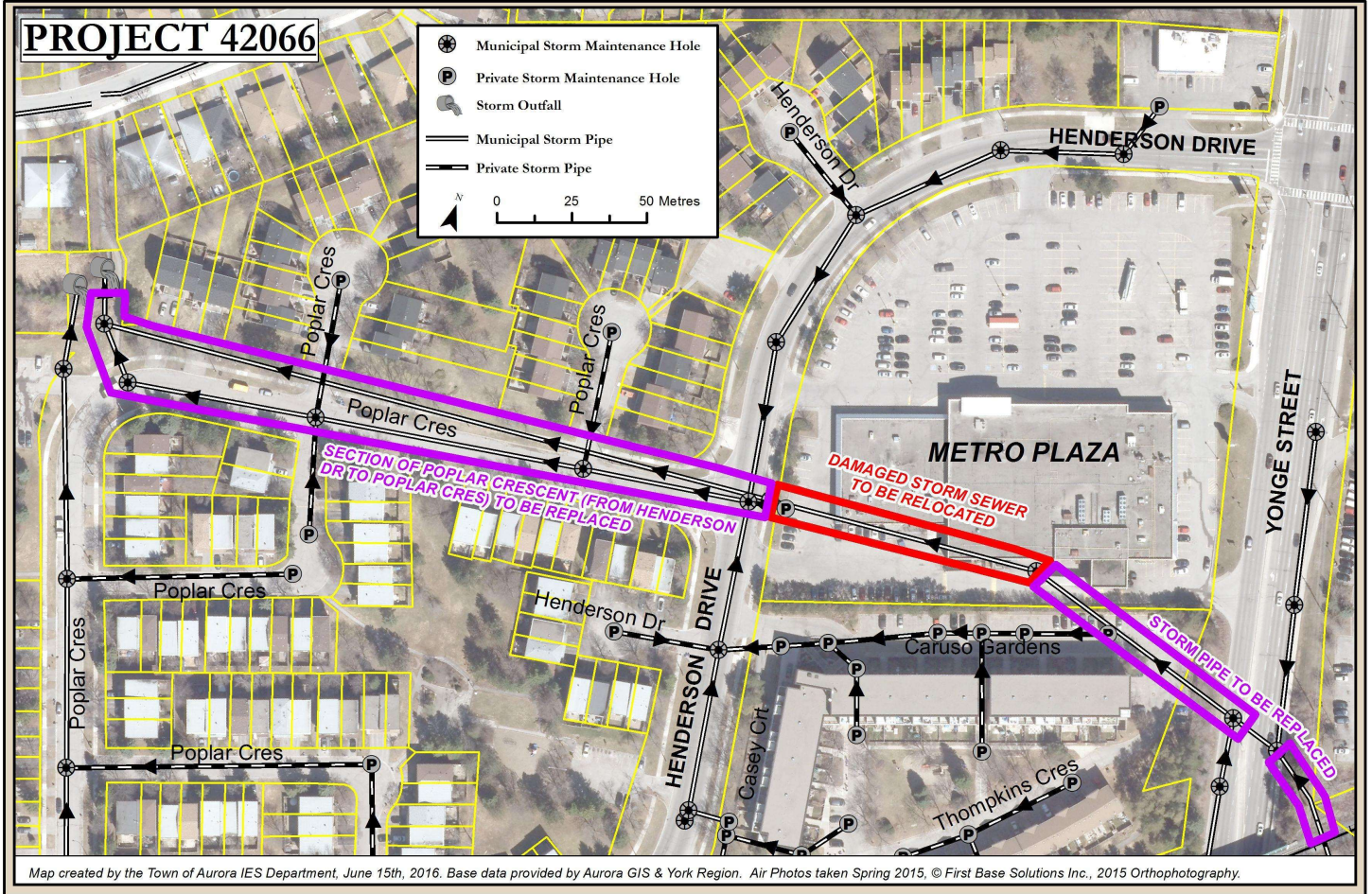
Town of Aurora

Capital Projects

Project	42066 Damaged Storm Pipe off Henderson Dr		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

Q:_Departments_space\Works\Capital Projects\CP 42066 - Damaged Storm Pipe off Henderson Drive\CP_42066.jpg



Town of Aurora

Capital Projects

Project	42075 Performance Monitoring of LID Controls		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONTRACTS	80,000	240,000	160,000		80,000	80,000	80,000	160,000
	80,000	240,000	160,000		80,000	80,000	80,000	160,000
Expenditures Total	80,000	240,000	160,000		80,000	80,000	80,000	160,000
Funding								
Infrastructure Sustainability Reserves								
Storm Sewers Contribution					80,000	80,000	80,000	160,000
					80,000	80,000	80,000	160,000
Funding Total					80,000	80,000	80,000	160,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2020 - Q4 2024

Provide a brief overview of the project and include the key goals, objectives and performance measures.

The Town has implemented Low Impact Development (LID) features on a few projects across the Town. While the performance of many such features have been proven globally and locally in the GTA, there is a need to develop a monitoring program tailored to meet the Town's requirements and questions. In addition to confirming that these stormwater features are functioning, the program will also allow for the evaluation of performance against design criteria and assist in identifying the types of features that perform best at the local scale. Lake Simcoe Region Conservation Authority (LSRCA) will partner with the Town in delivering this project. LSRCA has the knowledge and the equipment associated with LIDs performance monitoring.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The Town has completed a number of LID projects and is interested in demonstrating the performance of the projects to help justify and support continued use of LID techniques. The LSRCA has adapted its program and services to provide LID performance services to their municipal partners. The Town has approached the LSRCA to assist in undertaking a performance monitoring program on their behalf since it has the knowledge, resources and equipment to do it. The monitoring will be done for 3 years (2020, 2021 and 2022) with 2 more years for additional sites that will be decided at a later date.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

2020 to 2022 Sites to be monitored are: ACC (bioswales, raingarden, permeable pavement, walking trail and access), Algonquin Crescent (the exfiltration system along the length of the street and the bioswales). 2022 to 2024: projects for monitoring will be identified in consultation with Town staff

Town of Aurora

Capital Projects

Project	42075 Performance Monitoring of LID Controls		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

The project will provide key insight to Town staff, Council and the public as to the efficacy of the Town's LIDs systems and fill key knowledge gaps that are relevant to the Town and cannot be answered outside of a comprehensive monitoring program.

Town of Aurora

Capital Projects

Project	42080 Jones Court Stream Rehabilitation		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Financial Information								
	Budget		10-Year Plan					
	Previously Approved Budget	Capital Budget Authority	Budget Change	Actuals to Dec 31/2019	2020 Forecast	2021	2022	2023-2030
Expenditures								
Estimated Expenditures								
CONSULTING		150,000	150,000			150,000		
CONTRACTS								600,000
		150,000	150,000			150,000		600,000
Expenditures Total		150,000	150,000			150,000		600,000
Funding								
Infrastructure Sustainability Reserves								
Storm Sewers Contribution						150,000		600,000
						150,000		600,000
Funding Total						150,000		600,000

TARGET START DATE AND END DATE: Use format Q4 2017 - Q1 2018

Q2 2021 to Q4 2023

Provide a brief overview of the project and include the key goals, objectives and performance measures.

To provide funding for the rehabilitation of the creek at Jones Court between Murray Drive and Davis Road. The project will be delivered in 2 stages: design in 2021/2022 and construction in 2023. The works will include: removal of deteriorated structures and piecemeal erosion protection measures. Install reach-scale engineered channel with armourstone banks and roundstone cobble and riffle-pool features. Restore slopes above armourstone walls with native tree and shrub plantings.

Provide the reasons the project should be approved and what will be the impact of the project to service levels.

The project will improve the health of the creek through the proposed erosion protection works and the assisted natural recovery measures. Design will take place in 2021/2022 and the construction in 2023.

Existing conditions include:

- deterioration of historic drainage structures (e.g. half pipes, CSP).
- bank erosion and slope failure, including undermined trees.
- highly constrained urban stream channel between private properties.

Explain the benefits of the project which could include Citizen/Client, compliance, financial, internal, learning & growth or utility benefits.

The project provides environmental and community benefits through enhanced stormwater management practices.

This project acts on conclusions and recommendations of the town-wide Stream Management Master Plan and the Tannery Creek Flood Relief Study endorsed by Council on January 21, 2020.

Town of Aurora

Capital Projects

Project	42080 Jones Court Stream Rehabilitation		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Please provide an explanation of what the outcomes would be if the project was not approved.

There is a risk of flooding and creek erosion due to this highly constrained urban stream channel between private properties. Also risk to public infrastructure, private property and aquatic habitat due to bank erosion and deterioration of historic drainage features.

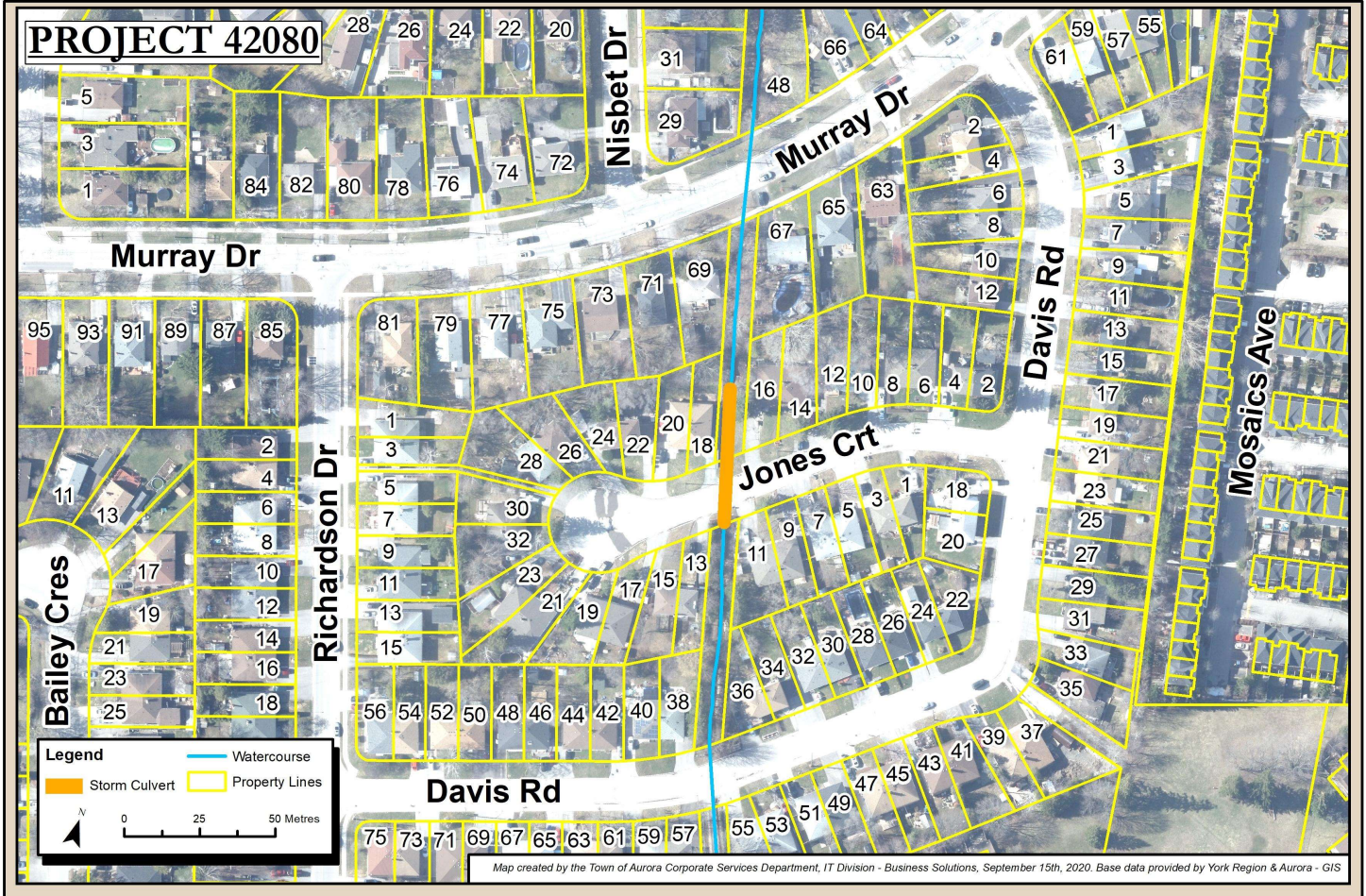
Town of Aurora

Capital Projects

Project	42080 Jones Court Stream Rehabilitation		
Department	Planning & Development Services		
Version	Final Approved Budget	Year	2021

Gallery

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Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
02 CAO																			
02 Repair & Replacement																			
12037 Town of Aurora Website	85,000	26,313	58,687	85,000			58,687												
Total 02 Repair & Replacement	85,000	26,313	58,687	85,000			58,687												
Total	85,000	26,313	58,687	85,000			58,687												
04 Operational Services																			
02 Repair & Replacement																			
12041 89 Mosley St (#400-28)	5,438,538	5,399,718	44,820	5,438,538			44,820												
24019 By-Law - 1/4 Ton Pick Up (#400-28)																			
24020 By-Law - 1/4 Ton 4x4 Pick Up (#400-27)														57,100					
24022 By-Law - SUV (#404-29)																			
31151 Streetlights	50,000	16,090	33,910	50,000			33,910												
34001 Christmas Decorations	50,000	50,000	50,000	50,000			50,000												
34004 Safety Railing - Yonge St north of Orchard Heights	400,000	400,000	400,000	400,000			50,000	350,000											
34005 Traffic Protection Guide Rail - Kennedy St W	100,000	100,000	100,000	100,000			100,000												
34007 Webster Drive Curb/Road Drainage Repair				65,000		65,000													
34008 Roads Operations	200,000		200,000	200,000			40,000	160,000	200,000	200,000	200,000								
Infrastructure Inspection, Repair and Maintenance Program										50,000									
34163 Facilities - Replacement of GMC Savana Van (#502-23)													15,000						
34193 Facilities - Genie Lift (#588-24)													85,500						
34196 Roads - GMC/K3500 (#18-24)																			
34220 Roads - GMC/3500 (#17-20) (#599-19)	85,000		85,000	85,000				85,000											
34221 Facilities - Kubota 4x4 Tractor	45,000		45,000	45,000				45,000											
34222 Roads - Chev/1500 (#3-20)	51,200		51,200	51,200				51,200											
34226 Roads - Chev/1500 (#5-20) Cat/4168 (#45-22)	47,459		47,459	47,459				47,459						192,600					
34228 Facilities - Ice Resurfacer (#595-19)	90,000		90,000	90,000				90,000											
34241 Facilities - Ice Resurfacer (#590-26)													104,800						
34242 Water - Chev Express (#61-27)														62,700					
34243 Water - Chev Express (#62-27)														62,700					
34246 Parks - Zero Turn Mower (#248-27)														25,000					
34248 Parks - Zero Turn Mower (#249-27)														25,000					
34250 Parks - Zero Turn Mower (#250-27)														27,000					
34252 Parks - Zero Turn Mower (#251-27)														27,000					
34255 Roads - 3/4 Ton (#6-28)																			
34257 Roads - 2 ton Dump (#15-25)															60,000				
34258 Parks - Mini Excavator (#252-29)																			
34259 Parks - Skid Steer Trucks (#253-29)																			
34260 Parks - Wide Area Mower (#256-26)																			
34401 Roads - 6 Ton Truck - Fr/FL80 (#30-23)										300,000									
34402 Roads - 3 Ton Truck (#38-26)																			
34404 Water - Ford F 250 (#8-26)														100,400					
34405 Water - Ford F 250 (#9-26)														55,000					
34409 By-Law - Smart Car Replacement (#400-19)	50,000		50,000	50,000				50,000											
34414 Roads - GMC/3500 (#17-30)																			97,100

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitment	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
34550 Roads - 6 Ton truck (#28-29)																			
34551 Roads - 6 ton truck (#33-28)																			
34555 Roads - 6 ton truck (#32-31)																			
34557 Roads - 6 ton truck (#27-26)													300,000						
34558 Roads Street Sweeper (#40-31)																			
34616 Side Walk /Engineered Walkway Reconstruction	200,000		200,000	525,000		325,000	200,000	175,000	150,000	125,000	111,500	113,900	116,400	118,900	121,500	124,100	126,800		350,000
41009 3 Phase Electrical Power - Pumping Stations	120,000	57,469	62,531	120,000			62,531												
41013 Replacement of Vandorf Road Lift Station Pumps	50,000		50,000	50,000			50,000												
42073 Stormwater Pond Maintenance Program - 2019	250,000		250,000	250,000			250,000												
43039 Backflow Prevention Program	50,000	45,542	4,458	50,000			4,458							57,100					
71110 Parks - Arboritum Small ID Tractor (#299-25)	60,000		60,000	60,000			60,000												
71112 Parks - Ford 350 Dump Truck (#226-19)	205,000		205,000	205,000			205,000												
71116 Parks - Back Hoe 420E IT & Rotary Broom Attachment (#238-20, #392-20)	87,000		87,000	87,000			87,000												
71118 Parks - Tractor - JD/5225 (#241-20)	60,000		60,000	60,000			60,000												
71119 Parks - Tractor - JD/4320 (#240-19)	69,200		69,200	69,200			69,200												
71120 Parks - Wide Area Mower (#255-26)	51,200		51,200	51,200			51,200												
71121 Parks - 1 Ton Water Truck (#207-20)																			
71122 Parks - 3/4 Tonne (#212-20)																			
71125 Parks - Ford 350 Dump Truck (#226-27)																			
71127 Parks - Zero Turn Mower (#245-27)																			
71130 Parks - 1 Ton (#207-30)																			
71131 Parks - 3/4 Ton (#212-30)																			
71132 Parks - Line Paint Trailer & Sports Field Line Painter(#121-20, #243-20)	35,800		35,800	35,800			35,800												
71133 Parks - 3/4 Ton Pick Up (#200-29)	50,907		50,907	50,907			50,907												
71134 Parks - 3/4 Ton Pick Up (#201-20)																			
71135 Parks - 3/4 Ton Pick Up (#202-29)																			
71136 Parks - 1 Ton Pick Up Crew Cab (#203-21)	62,800		62,800	62,800			62,800												
71137 Parks - 3/4 Ton Pick Up (#204-21)										55,000									
71138 Parks - 3/4 Ton Pick Up (#205-22)												65,000							
71139 Parks - 3/4 Ton Pck Up (#206-23)													60,000						
71141 Parks - 3/4 Ton 4x4 Pick Up (#208-25)													56,500						
71142 Parks - 3/4 Ton 4x4 Pick Up (#209-25)													56,500						
71144 Parks - Grass Crew Trailer (#214-20)	20,000		20,000	20,000			20,000												
71145 Parks - Portable Welder (#216-25)														28,500					
71147 Parks - Arborist Truck (#223-23)																			
71148 Parks - 3/4 Ton Pick Up Crew Cab (#224-37)												125,000							
71149 Parks - 2 Ton Dump Truck (#225-25)													70,000						

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
71150 Parks - 2 Ton Dump Truck (#227-23)													70,000						
71151 Parks - 2 Ton Dump Truck (#228-29)													170,000			75,000			
71152 Parks - 3 Ton Garbage Compactor (#229-22)												33,000							
71153 Parks - Off Road Utility Vehicle (#230-22)				15,000		15,000		15,000											
71154 Parks - Utility Trailer (#231-21)													11,400						
71155 Parks - Tractor (#242-26)				15,000		15,000		15,000					122,200						
71158 Parks - Grass Crew Trailer (#244-21)																			
71159 Parks - Zero Turn Mower (#245-22)									20,000										
71160 Parks - Zero Turn Mower (#246-22)									20,000										
71161 Parks - Zero Turn Mower (#247-22)									20,000										
71162 Parks - Zero Turn Mower (#248-22)									20,000										
71163 Parks - Zero Turn Mower (#249-22)									20,000										
71164 Parks - Zero Turn Mower (#250-22)									25,000										
71165 Parks - Zero Turn Mower (#251-22)										25,000									
71166 Parks - Articulating Compact Wheel Loader (#254-23)													150,000						
71171 Box Blade Attachment (#276-20)	12,000		12,000	12,000			12,000												
71172 Tiller Attachment (#277-23)													15,000						
71178 Parks - 1 ton water truck (#207-30)																	75,000		
71179 Parks - 3/4 ton (#212-30)																	65,000		
71180 Parks - Sports Field Line Painter (# 243-30)																	20,000		
71181 Parks - 3/4 ton (#201-30)																	65,000		
71182 Parks - Turf Crew Cab (#203-31)																		75,000	
71183 Parks - 3/4 ton (#204-31)																		65,000	
71197 Parks - Zero Trun Mower (#246-27)														25,000					
71199 Parks - Zero Turn Mower (#247-27)														25,000					
71201 Facilities - Ice Resurfacer (#590-36)																	140,000		
71202 Facilities - Ice Resurfacer (#596-31)																		145,000	
71203 Facilities- 3/4 ton pick up (#503-30)																		50,000	
71204 Facilities- 3/4 ton pick up (#504-31)																		60,000	
72281 AFCL - Skate Park Reconstruction	675,000	28,239	646,761	675,000			26,761	620,000	520,000										
73134 Parks/ Trails Signage Strategy Study & Implementation	695,700	453,359	242,341	695,700				242,341											
73160 Emerald Ash Borer Management Program	1,799,850	1,386,597	413,253	2,069,850		270,000	413,253	270,000	280,000										
73175 Walkway Lights - Graham Parkette				60,000		60,000		60,000											
73192 Board Walk Resurface McKenzie Marsh				600,000		600,000		600,000											
73196 Fleury Park Gazebo Repair/Replace												75,000							
73203 James Lloyd Park Shelter Replace/Repair													75,000						

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
73204 L Wilson Park Gazebo Repair/Replace and Park Shelter																			
73210 Playground Replacement- Lambert Wilson Park												100,000							
73212 Playground Replacement- Taylor Park	175,000		175,000	175,000				175,000					102,400						
73213 Playground Replacement- Harman Park	153,600		153,600	153,600				153,600											
73214 Playground Replacement- Tamarrac Park	97,750	56,852	40,898	97,750			40,898												
73215 Playground Replacement, Walkway Repaving - L Willson Park				180,000		180,000													
73217 Playground Replacement, Walkway Repaving, Basketball Resurfacing- Summit Park								258,900											
73218 Playground Replacement, Walkway Repaving - Tom's Park												206,500							
73219 Playground Replacement- Evens Park													104,700						
73220 Playground Replacement, Walkway Repaving - Atkinson Park													209,400						
73221 Playground Replacement- Chapman Park														125,700					
73222 Playground Replacement- Town Park									218,700										
73224 Replace Artificial Turf- St Max													750,000						
73226 Splash Pad Surface Upgrade- Town Park									42,800										
73232 Trail/Playground Re-design - Jack Wood Park	102,400		102,400	102,400				102,400											
73237 Pathway Paving - various park trails									30,000	30,000									
73238 Artificial Turf Replacement at Dome													600,000						
73240 Walkway/Basketball Repaving- Tamarrac Park	30,000		30,000	30,000				30,000											
73242 Reconstruction of Fleury Park Washroom Facility	350,000	5,156	344,844	480,000		130,000	24,844	450,000											
73263 Playground/Boardwalk Upgrade - Benjamin Pearson													223,500						
73264 Playground/Path Replacement - Optimist Park														223,500					
73265 Playground/Path Replacement - Thompson Park													201,100						
73284 Sports Field Top Dresser (#292)									190,000										
73303 Tennis Court Resurface - Fleury, Summit & McMillan Park												80,000							
73306 Sheppard's Bush Pavilion															100,000				
73307 Playground Replacement - Timbers Park													600,000						
73308 Confederation Park Redesign/Retrofit, playground sports fields, new splash pad																			
73309 Playground Replacement - Hickson Park													142,700						
73310 Playground Replacement - Fleury Park													175,100						
73311 Playground Replacement - Seston Park																	152,200		
73313 Playground Replacement - Ada Johnson Park																	182,800		
73315 Sheppard's Bush Parking Lot Resurface	250,000		250,000	250,000				250,000											
73325 Tennis Court Resurface - David English Park																			
73328 Tree Inventory Update											16,700								

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Total 02 Repair & Replacement	12,756,538	7,443,022	5,313,516	14,874,338		2,117,800	1,359,275	5,658,141	1,758,900	1,458,900	789,700	1,149,000	7,004,600	1,559,500	976,100	974,700	1,745,700	1,134,000
Total	12,756,538	7,443,022	5,313,516	14,874,338		2,117,800	1,359,275	5,658,141	1,758,900	1,458,900	789,700	1,149,000	7,004,600	1,559,500	976,100	974,700	1,745,700	1,134,000
05 Community Services																		
02 Repair & Replacement																		
72137 SARC - Replace Asphalt Flat Roof (Pool and Common Area)							100,000	38,334					854,800					
72146 215 Industrial Parkway Exterior Works (Roof and Front Door)	145,000	6,666	138,334	145,000														
72166 SARC - Fire Control Panel												176,400	47,800					
72168 Town Hall- Exterior Windows	90,000	78,852	11,148	90,000			11,148			176,400								
72169 Town Hall- LAN Room HVAC	73,900		73,900	73,900			73,900											
72172 ACC- Sport Flooring										61,600	244,600							
72174 ACC- Compressors										76,600								
72186 Factory Theatre- Exterior Windows										15,600								
72187 Factory Theatre- Roof Coverings																		
72190 Victoria Hall- Exterior Windows																		
72196 Future Facilities Maintenance									200,000	300,000	400,000	300,000	500,000	500,000	500,000	500,000		
72201 Work Station Refresh Carpet Paint (2021 Budget Conditionally Approved)	820,000	324,507	495,493	1,070,000		250,000	495,493	250,000	250,000	250,000	250,000							
72204 Security Audit & Implementation	450,000	61,399	388,601	526,800		76,800	194,300	271,101										
72207 AFLC - Flooring													332,000					
72213 ASC - LED Lighting	50,000		50,000	50,000			50,000											
72225 AFLC - LED Lighting Arena, Pool, Squash Courts and Ceiling	450,500	151,967	298,533	450,500			298,533											
72226 AFLC HVAC Arena Tower	135,000	10,710	124,290	135,000			24,290	100,000	716,700									
72263 SARC - Cooling Evaporator	90,000		90,000	90,000			20,000	70,000										
72274 AFLC - Squash Courts Floor Replacement	100,000		100,000	40,000		-60,000	40,000											
72283 SARC - Replacement of Pylon Sign Message Board	50,000		50,000	50,000			25,000	25,000										
72297 ACC - Ice Resurfacer Room Heater	20,500		20,500	20,500			20,500											
72302 AFLC - Replacement of Arena Seating	51,200		51,200	51,200			51,200											
72305 SARC - West Roof Area - Window Sealant	10,200		10,200	10,200				10,200										
72313 SARC - Replacement of overhead doors and door seals										29,400								
72314 SARC - Lifecycle replacement of modified bitumen west roof													419,200					
72315 SARC - Repaint interior wall surfaces													326,200					
72317 SARC - Replace HVAC pumps											35,100							
72318 SARC - Replace force flow and gas fired heaters													11,400					
72319 SARC - Replace security system board systems									32,100									
72321 SARC - Replace ice rink dasher board systems													642,000					
72323 SARC - Repair of concrete walkways	20,000		20,000	20,000				20,000										
72324 AFLC - Replace hollow metal doors & exterior exit doors	55,000		55,000	55,000			20,000	35,000										
72327 AFLC - Apply restorative coating to Arena metal roof													121,900					
72328 AFLC - Replace built up roofing above Arena dressing rooms	90,100		90,100	90,100			20,000	70,100										
72333 AFLC - Replace HVAC units RTU1 & SF6										19,600								

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remain Budget	Capital Spending Commitment	Committee End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
72334 AFLC - Replacement of force flow and gas fired heaters													11,400						
72335 AFLC - Replacement of security system													11,400						
72340 ACC - Reseal exterior windows	13,500		13,500	13,500				13,500											
72342 ACC - Replace thermoplastic membrane roofing	165,600	5,185	160,415	165,600				160,415											
72343 ACC - Refinish concrete block walls											12,600								
72344 ACC - Replace worn rubber flooring ACC1													73,500						
72346 ACC - Reseal concrete floors	28,700		28,700	28,700			28,700		10,600										
72348 ACC - Replace elevator door operators																			
72354 ACC - Replacement of forced flow and gas heaters													11,400						
72357 ACC - Replacement of security system											80,200								
72364 215 Ind - Repaint interior wall surfaces													17,500						
72372 215 Industrial - Refurbishment of Generator				50,000		50,000		50,000											
72381 CVFS 4-3 - Replace windows	28,800		28,800	28,800			10,000	18,800					349,700						
72382 CVFS 4-3 - Replacement of roof suspended ceiling panels	26,900		26,900	26,900			26,900												
72385 CVFS 4-3 - Replacement of forced air and gas heaters													25,000						
72386 CVFS 4-3 - Replace diesel generator													69,900						
72387 22 Church - Replace asphalt shingles													77,800						
72393 ASC - Replacement of roofing sections	32,160	6,675	25,485	32,160					25,485										
72397 ASC - Replacement of rooftop HVAC units												110,500							
72398 ASC - Replacement of security system									53,600										
72404 Town Hall - Replacement of exterior entrance doors	16,500		16,500	16,500			16,500												
72405 Town Hall - Replacement of roof sections and Skylight Sealant	250,000	6,284	243,716	250,000			43,716	200,000											
72412 Town Hall - Major modernization of elevator										109,100									
72414 Town Hall - Upgrade of building automation system													233,000						
72419 Town Hall - Repair of concrete/stone walkways	33,500		33,500	33,500			33,500												
72430 Library - Major hydraulic modernization of elevator																			
72435 Victoria Hall - Replacement of roofing shingles												21,600							
72441 AFLC - Pool Boiler Replacement	150,000		150,000	150,000			25,000	125,000											
72442 ACC - New Roll Up Doors (3)	60,000		60,000	60,000			60,000												
72446 Town Hall - Replace HVAC - A/C Cooling/Humidification Unit																			
72447 ACC - Low-E Ceiling - ACCR2										71,700									
72448 Town Hall - Interior Conversion to LED	95,000		95,000	95,000			95,000												
72449 SARC - Interior LED Retrofit	30,000		30,000	30,000			30,000												
72450 SARC - Low-E Ceiling - Arenas	128,000		128,000	128,000					128,000										
72452 Energy and Demand Management Plan Implementation	50,000		50,000	100,000			50,000	50,000											
72453 Unplanned - Emergency Repairs Contingency	100,000		100,000	200,000			100,000	100,000		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
72454 Victoria Hall - Accessible Ramp - Accessibility Plan Implementation	20,000		20,000	20,000			20,000												

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals	Remain Budget	Capital Spending	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
72455 AFCL SARC - Transfer Stations Accessibility Plan Implementation	25,000		25,000	25,000			25,000												
72456 SARC - Hoyer Lifts - Accessibility Implementation Plan	20,000		20,000	20,000			20,000												
72457 Lane Ropes for SARC & AFCL and new diving board at SARC	35,000	15,288	19,712	55,000			19,712	20,000	20,000	20,000	15,000	41,000	39,000						
74007 AFCL Fitness Equipment Replacement	278,600	208,087	70,513	278,600			70,513		37,400	65,500	48,900								
74021 SARC - Comprehensive Sound/Audio/Public Address System Upgrade	45,200		45,200	45,200			45,200												
Total 02 Repair & Replacement	4,333,860	875,620	3,458,240	4,895,660			2,090,205	1,615,935	1,595,700	1,434,100	1,286,800	749,500	4,367,900	600,000	600,000	600,000	100,000	100,000	100,000
Total	4,333,860	875,620	3,458,240	4,895,660			561,800	2,090,205	1,615,935	1,434,100	1,286,800	749,500	4,367,900	600,000	600,000	600,000	100,000	100,000	100,000
08 Planning & Development Services																			
02 Repair & Replacement																			
31054 Road Resurfacing - Ind Pkwy S (Engelhard to Yonge), Vandorf (Ind Pkwy S - Bayview)	1,705,300		1,705,300	1,705,300			1,500,000	205,300											
31108 Reconstruction - Algonquin Crescent and Haida Drive (Sections)	2,085,939	1,531,163	554,776	2,085,939			554,776												
31109 Reconstruction - Kennedy St W & Temperance St	2,988,300	2,826,174	162,126	2,988,300			162,126												
31113 M & O - Murray Dr, Kennedy St W, Pinehurst Ct, Willes Ct.	2,352,291		2,352,291	2,352,291			120,000	2,232,291											
31114 Reconstruction - Ransom Court and Ransom Street	667,341		667,341	667,341			50,000	617,341											
31116 Road Resurfacing - Dunning Ave, Edward St, Golf Links Dr, Ind Pkwy S, McClellan Way, Orchard Hts, Blvd, Tamarac Trail, Yonge St S	3,649,010	2,861,629	787,381	3,649,010			787,381												
31118 Reconstruction - Browning Ct, Johnson Rd, Holman Cres, Baldwin	5,388,100	172,329	5,215,771	5,388,100			5,125,771	90,000											
31119 Reconstruction - Adair Dr, Bailey Cres, Davidson Rd, Harriman	4,618,600	112,413	4,506,187	4,618,600			4,446,187	60,000											
31122 M & O - Centre St - Yonge - Spruce St								544,000											
31124 Henderson Dr. - Wildlife Passage	175,000		175,000	175,000			175,000												
31126 M & O - Harmon Ave, Orchard Hts Blvd., Whispering Pine Trail	1,014,110	575,682	438,428	1,014,110			438,428												
31134 Road Resurfacing - Victoria (Wellington - Harrison), Yonge St (Golf Links - Orchard Hts)	1,356,400	869,935	486,465	1,356,400			486,465												
31140 Road Resurfacing - Archerhill Ct, Jarvis Ave, Gilbert Dr, Westview Dr, McClellan Way	716,592	465,319	251,273	716,592			251,273												
31156 Pavement Condition Assessment - 2023	1,000,000		1,000,000	1,000,000			100,000	900,000											
31177 Recon - Vandorf Srd - Monkman Ct - Carisbrooke Cr.	2,645,300	72,081	2,573,219	3,955,300			77,919	3,785,300											
31199 Road Resurfacing - Gurnett St, Kennedy St. E., Victoria St.,				250,000			250,000	250,000	1,136,400										
31201 M & O - Banbury Ct, Highland Gate, Corbett Cr, Cossar Dr, Eldeberry Tr, Ironshore Ct, Greenbriar Ct, Spyglass Ct,									1,311,400										
31202 M & O - Haida Dr, Windham Trail, Wellington Heights Ct, Bayfair Rd, McDonald Dr, Bell Dr, Devins Dr, Crawford Rose Dr									1,132,900										
31203 M & O - Scamion Ct, Vata Ct, Watton Dr, Old Yonge St									636,800										

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
31204 M & O - Industrial Pkwy N, Earl Stewart Dr, Mosley St, Larmont St										1,652,400									
31205 M & O - Kennedy St W, Trillium Dr, Meadowood Dr, Treegrove Circle, McKinley Gate, Klaimen Crt, Lenarthur Crt										1,092,700									
31206 M & O - Avondale Cres, Centre St, Earl Stewart Dr, McMaster Ave, Heathwood Heights Dr									100,000		1,284,100								
31207 Full Reconstruction - Mill St, Wells St, Edwards St, Temperance St											1,414,500								
31208 M & O - Marsh Harbour, McClenny Dr, Timpson Dr, Dinsmore Terrace											854,900								
31209 M & O - Beatty Cres, Babcock Blvd, Seaton Dr, Teasdale Crt, Simmons Cres, Sandfield Dr											1,157,900								
31210 Full Reconstruction - Marksbury Crt, Gilbank Dr, Lacey Crt,									167,900		2,157,200								
31211 Full Reconstruction - Vandriof Srd, Leslie St to Hwy 404										271,700		3,882,100							
31212 M & O - Briardale Place, Allendale Dr, Brookview Dr												558,000							
31213 M & O - Brooks Ave, Hollingshead Dr, Willow Farm Lane												898,700							
31214 Full Reconstruction - Ridge Road											155,800		1,558,100						
31215 Full Reconstruction - Cousins Dr, Cousins Dr, Dunning Ave,											118,900		1,533,400						
31216 M & O - Mary St, Industry St, Stone Rd, Milloy Place, Hawfin Lane													1,639,200						
31218 M & O - Hollandview Trail, Brookland Ave, Richardson Dr, Lee Gate, Kemano Rd, Whispering Pine Trail, Clubine Crt														1,730,700					
31219 M & O - Spence Dr, Devlin Place, Henderson Dr, Timberline Tr, Greenleaf Crt, Buttonwood Tr														1,303,300					
31220 M & O - Metcalfe St, Church St, Royal Rd, Cameron Ave, Fife Rd, Windham Tr, Whitfield Crt, Wethersfield Crt, Ashford Crt, Lensmith Dr																			
31221 M & O - Fouracre Way, John West Way, Pedersen Dr, Conover														1,516,900					
31222 M & O - Walton Dr, Twelve Oak Dr, Pittypat Crt, Tecumseh Dr, Banif Dr, Devins Dr, Tibbling Cres														1,432,600					
31223 Full Reconstruction - Aurora Heights Drive													279,200		5,583,300				
31224 M & O - Marshview Ave, Conover Ave, River Ridge Blvd															899,100				
31225 M & O - Wells St N, Hollidge Blvd, Gateway Dr															932,100				
31226 M & O - Albany Cres, Little Erika Way, Cady Crt, Willis Dr, Ardill Cres, Loraview Lane, Stemmie Dr																1,322,500			
31227 M & O - Hammond Dr, Falling Leaf Crt, Dunham Cres, Sunray Place, Collins Cres, Autumn Way, Baycroft Lane, Long Valley Rd, Karindon Crt, Craiglee Crt, Wilkinson Place, Woodland Hills Blvd									790,500										
31228 M & O - Goulding Ave and Eric T. Smith Way																			1,717,900

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
31230 M & O - Raiford St, Maple St, Fleury St, Moorcrest Dr, Closs Square, Harrison Ave, Connaught Ave		2019														1,131,500		
31231 M & O - Casemount St, Ames Cres, Primeau Dr, Amberhill Way, October Lane, Millicliff Circle, Alder Grove, Chapman Cr																1,197,300		
31232 M & O - Knowles Cres, Bonny meadows Dr, Hunters Glen Rd, Fox Point, Child Dr, Baldwin Rd, Covent Cres, Ross Linton Dr																1,515,500		
31233 M & O - Knole Haven Dr, McGee Cres, Tyler St, Sismann Ave, Corner Ridge Rd																1,275,600		
31234 M & O - Ottawa Cr, Cabot Cr, Kitimat Cres, Huron Cr, Machel Ave, Irwin Ave, Parkland Cr, Cypress Cr, Hodgkins Cres																872,600		
31235 M & O - Ostick St, Haverhill Terrace, Limeridge St, Barr Cres, Snedden Ave, Ochaski Rd, McNally Way, Collis Dr, Zokol Dr, Martell Gate																1,606,600		
31236 M & O - Starr Cres, Eakins Dr, Abbott Ave, Hartwell Way, Billbrough St, Suffolk Ave, Mavrinnac Blvd																1,982,400		
31237 M & O - Underhill Cres, Haskell Cres, Chiswick Cres, Charing Cres, Carlyle Cres, Beechbrooke Way, Rachewood Cr, Microberts Place, Dol Terrace, Cowie Cr																	1,622,600	
31238 M & O - Highland Cr, Hillview Rd, Sandusky Cres, Springburn Cres, Doodle St, George St, Reuben St, Willis Dr, Wardle Gate, Petch Cres, Gleave Cr																	1,385,700	
31239 M & O - Buchanan Cres, Wendy's Forest, Attredge Dr, Hilldale Rd, Hillside Dr, Kenitea Cr, Delayne Dr, Lanewood Dr, Fielding Dr																	1,573,400	
31240 M & O - Pedersen Dr, Steckley St, Valemount Way, Weslock Cres, Bowler St, Borealis Ave, Gundy Way, Deerglen Terrace, Cliff Rd, Crow s Nest Gate																	1,852,800	
31241 M & O - Colyton Cr, Bovair Trail, Daboe Cr, Offord Cres, Urquhart Cr, Ing Cr, Mohkman Cr, Bennville Cres																1,465,900		
31242 M & O - Petermann St, Downey Cbridgenorth Dr, Kirkvalley Cres, Springfarm Rd				230,000		230,000		230,000										
31243 Long Term Remediation for the Pavement Heave Over Vandorf Culvert West of Bayview				230,000		230,000												
34626 Sidewalk Construction on Kitimat	192,700		192,700	192,700			192,700											
42056 Lake Simcoe Protection Plan Capital Works													600,000					
42064 Storm Sewer Outlet Cleanup	1,110,000	99,031	1,010,969	1,110,000			400,969	610,000										
42066 Damaged Storm Pipe off Henderson Dr	2,610,000	75,899	2,534,101	4,010,000		1,400,000	74,101	3,860,000										
42067 Storm Outfall Erosion at Mill Street	184,600	124,939	59,661	184,600			59,661											
42072 Vandorf Sideroad Culvert and Ditch Repair	219,000	169,771	49,229	219,000			49,229											
42075 Performance Monitoring of LID Controls	80,000		80,000	240,000		160,000	80,000	80,000	80,000	80,000	80,000							

Repair & Replacement Capital - 10 Year Plan

	LTD Budget	LTD Actuals 2019	Remainin Budget	Capital Spending Commitm	Committe End Year	Budget Change	2020 Forecast	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
42076 Macnell Park - Underground Storage Facility													500,000		5,000,000			
42079 Devlin Place Stream Rehabilitation	200,000		200,000	200,000			100,000	100,000	400,000	1,200,000								
42080 Jones Court Stream Rehabilitation				150,000		150,000		150,000		600,000				350,000		1,950,000		
42081 Wellington St Phase 1 Stream																		
42082 Wellington St Phase 2 Stream																		
42083 Willow Farm Lane Stream Rehabilitation	150,000		150,000	150,000			100,000	50,000	550,000									
42084 Maintenance holes in Streams											150,000		850,000					
42085 Erosion Protection Works													600,000					
42086 Tyler Street Stream													100,000					
42087 Sandusky Park Stream Rehabilitation														500,000				
42088 Harriman Road Stream Rehabilitation																		
42089 Delayne Drive Channel Rehabilitation									150,000							200,000		1,000,000
Total 02 Repair & Replacement	35,108,583	9,956,365	25,152,218	38,588,583		3,480,000	15,331,986	13,220,232	6,455,900	5,491,300	8,723,300	5,938,800	9,116,600	6,833,500	12,414,500	13,985,100	9,252,700	8,784,000
Total	35,108,583	9,956,365	25,152,218	38,588,583		3,480,000	15,331,986	13,220,232	6,455,900	5,491,300	8,723,300	5,938,800	9,116,600	6,833,500	12,414,500	13,985,100	9,252,700	8,784,000
13 Financial Services																		
02 Repair & Replacement																		
14012 Financial System	1,000,000	105,869	894,131	1,500,000		500,000	35,000	359,000	837,631	162,500								
43038 Water Meter Replacement Program	3,295,796	2,074,836	1,220,960	4,587,336		1,291,540	502,500	502,500	502,500	502,500	502,500	455,900	233,000	238,100	243,300	200,000		
43055 Advanced Metering Infrastructure (Conditionally Approved 2021)				2,000,000		2,000,000		1,500,000	500,000									
Total 02 Repair & Replacement	4,295,796	2,180,705	2,115,091	8,087,336		3,791,540	537,500	2,361,500	1,840,131	665,000	502,500	455,900	233,000	238,100	243,300	200,000		
Total	4,295,796	2,180,705	2,115,091	8,087,336		3,791,540	537,500	2,361,500	1,840,131	665,000	502,500	455,900	233,000	238,100	243,300	200,000		
15 Corporate Services																		
02 Repair & Replacement																		
12002 Accessibility Plan Implementation	1,382,869	970,832	412,037	1,382,869		196,655	215,382											
13018 Human Resources Information/Payroll System	250,000		250,000	250,000			250,000			25,000								
14047 Computer & Related Infrastructure Renewal (2021 Budget Conditionally Approved)	1,437,145	894,919	542,226	2,097,506		660,361	542,227	263,885	225,475	171,000	158,000	172,000	174,000	210,154	183,508	190,000	200,000	210,000
14070 Boardroom Audio/Video Equipment	50,000		50,000	100,000		50,000	50,000	50,000	50,000									
14075 Business Process Automation and Data Integration	105,000		105,000	250,500		145,500	105,000	145,500	50,000									
14082 Data Centre Upgrades - Cybersecurity				60,000		60,000	60,000	60,000	60,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
81025 GIS Scanner	10,000		10,000	10,000			10,000											
Total 02 Repair & Replacement	3,235,014	1,865,751	1,369,263	4,150,875		915,861	1,143,882	744,767	385,475	246,000	208,000	222,000	224,000	260,154	233,508	240,000	250,000	260,000
Total	3,235,014	1,865,751	1,369,263	4,150,875		915,861	1,143,882	744,767	385,475	246,000	208,000	222,000	224,000	260,154	233,508	240,000	250,000	260,000
Total Capital Projects	59,814,791	22,347,776	37,467,015	70,681,792		10,867,001	20,521,535	23,600,575	12,036,106	9,295,300	11,510,300	8,515,200	20,946,100	9,491,254	14,467,408	15,999,800	11,348,400	10,278,000