

# Town of Aurora

## SCHEDULE OF RESERVE FUNDS

Shown in \$000's

	Bylaw or Schedule Reference	Estimated Closing Balance As of Dec. 31, 2018
<b>A. Reserves for Existing Infrastructure</b>		
<b>Infrastructure Sustainability (Repair &amp; Replacement)</b>		
<b><u>Tax Rate Funded</u></b>		
Roads & Related R & R	RR1	(\$1,610.2)
Federal Gas Tax Reserve	RR2	\$1,842.5
Facilities R & R	RR3	(\$31.6)
Fleet R & R	RR4	\$776.4
Parks & Rec R & R	RR5	\$982.5
Information Technology R & R	RR6	(\$176.7)
Discretionary R & R	RR7	(\$133.0)
Emerald Ash Borer Remediation R & R	RR11	100.8
St Max Artificial Turf	RR12	\$228.6
Ontario Community Infrastructure Fund (OCIF)	RR13	0.00
<b>Total Tax Rate Funded Infrastructure Sustainability Reserves</b>		<b>\$1,979.4</b>
<b><u>Utility Rate Funded</u></b>		
Water	RR8	\$7,550.0
Wastewater	RR9	\$1,539.5
Stormwater	RR10	\$1,611.6
<b>Total Utility Rate Funded Infrastructure Sustainability Reserves</b>		<b>10,701.0</b>
<b>Total Infrastructure Sustainability Reserves</b>		<b>\$12,680.4</b>
<b>B. Reserves for New Infrastructure</b>		
<b><u>Development Charges Reserve Funds</u></b>		
	By-law 5585-14	
General Government		(\$636.6)
Fire Services		(\$3,046.8)
Park Development		(\$11,653.5)
Indoor Recreation		\$4,034.3
Library Services		\$3,114.4
Municipal Parking Services		\$340.8
Roads & Related		\$5,612.1
Water		(\$879.4)
Sewers		\$112.6
<b>Total Development Charges</b>		<b>(\$3,002.1)</b>
Growth & New Capital Reserve	NI1	(\$2,579.0)
Studies & Other Capital Reserve	NI2	\$883.1
Dev/Sale of Municipal Lands	NI3	\$7,067.4
Cash in Lieu of Parkland	NI4	\$8,292.7
Cash in Lieu of Parking	NI5	\$78.9
Parks New Capital	NI6	\$632.5
Community Benefit Fee	NI7	\$1,961.1
Engineering Inspections Fees	NI8	\$2,089.4
Landscape Inspection Fees	NI9	\$1,665.2
<b>Total New Infrastructure Reserves</b>		<b>\$17,089.3</b>

## Reserve Funds for Special Purposes

### Stabilization

Tax Rate Stabilization	S1	\$4,676.1
Election Reserve	S2	(\$56.7)
WSIB	S3	\$661.3
Debt Deferral (internal borrowing) Library	S4	(\$468.8)
Winter Control Reserve Fund	S5	\$504.7
<b>Total Stabilization Reserves</b>		<b>\$5,316.7</b>

### Other Special Purposes Accounts

Trails Donations	SP1	\$4.5
Green Initiatives	SP2	\$73.5
Heritage Fund	SP3	\$235.8
Arts & Culture	SP4	\$42.0
Public Art	SP5	\$82.2
Parks & Rec Participant Sponsorship	SP6	\$52.3
Cenotaph Restoration	SP7	\$3.7
Recreation Sponsorships	SP8	\$93.2
John West Memorial Scholarship Award	SP9	\$28.9
Economic Development Reserve Fund	SP10	\$439.8
Building Department - Bill 124	SP11	\$5,941.9
Hydro Sale Investment Reserve Fund	By-law 5439-12	\$29,753.9
Council Discretionary Reserve Fund	By-law 5440-12	\$37.2
<b>Total Other Special Purposes</b>		<b>\$36,788.8</b>

### **Total Special Purposes Reserves**

**\$42,105.5**

### **D. CENTRAL YORK FIRE SERVICES MANAGED RESERVE FUNDS**

Fire Services - General		\$314.8
Fire Services - Asset Replacement		\$22.2
<b>Total CYFS Managed Reserve Funds</b>		<b>\$337.1</b>

### **E. LIBRARY MANAGED RESERVE FUNDS**

Library Managed R & R	LIB1	\$76.7
Library Donation & Bequests	LIB2	\$34.9
<b>Total Library Managed Reserve Funds</b>		<b>\$111.6</b>

## 2019 Draft 1 Repair &amp; Replacement Capital Projects

Page No	Project No	Project Description	Amount Requested	
<b>Community Services</b>				
<b>Facilities</b>				
6-5	72169	Town Hall - LAN Room HVAC	90,000	●
6-6	72179	ACC - Multi-Purpose Room	200,000	●
6-7	72201	Work Station Refresh, Carpet, Paint	150,000	●
6-8	72213	ASC - LED Lighting	50,000	●
6-9	72218	22 Church St - LED Lighting Retrofit	50,000	●
6-11	72274	AFLC - Squash Courts Floor Replacement	100,000	●
6-12	72284	SARC - Replace Main Lobby Washroom Partitions	30,000	●
6-13	72298	ACC - Snow Melt Pit Boiler	20,000	●
6-14	72323	SARC - Repair of Concrete Walkways	20,000	
6-15	72326	AFLC - Replace overhead doors and operators	15,400	
6-16	72340	ACC - Reseal exterior windows	13,500	
6-17	72342	ACC - Replace thermoplastic membrane roofing	165,600	
6-18	72356	ACC - Replacement of fire alarm panel	20,000	
6-19	72389	22 Church St - Repair wood flooring	25,000	
6-20	72393	ASC - Replacement of roofing sections	32,160	
6-21	72394	ASC - Replacement of vinyl wall covering	36,400	
6-22	72404	Town Hall - Replacement of exterior entrance doors	16,500	
6-23	72405	Town Hall - Replacement of roof sections and skylight sealant	250,000	
6-24	72406	SARC - Ice Plant Repairs	62,850	
6-25	72421	Library - Replacement of perimeter sealant of windows	26,000	
6-26	72438	SARC - Pool - Supply, Install and Replace Bleachers	43,000	
6-27	72442	ACC - New Roll Up Doors (3)	60,000	
6-28	72444	Yonge St Electronic Sign Replacement	80,000	
6-29	72448	TH - Interior Conversion to LED	95,000	
6-30	72449	SARC - Interior LED Retrofit	30,000	
<b>2019 Community Services - Facilities Total R &amp; R</b>			<b>\$ 1,681,410</b>	
<b>Programs</b>				
6-31	72306	Lifeguard Chairs	18,000	●
6-32	74007	AFLC - Fitness Equipment Replacement	50,000	●
6-33	74021	SARC - Comprehensive Sound/Audio/Public Address System	45,200	
6-34	74022	AFLC - Supply, Install and Replace Change Room Lockers	56,500	
<b>2019 Community Services - Programs Total R &amp; R</b>			<b>\$ 169,700</b>	
<b>2019 Community Services Total R &amp; R</b>			<b>\$ 1,851,110</b>	
<b>Corporate Services</b>				
<b>Access Aurora</b>				
6-35	12002	Accessibility Plan Implementation	350,000	●
<b>2019 Corporate Services - Access Aurora Total R &amp; R</b>			<b>\$ 350,000</b>	
<b>Information Technology</b>				
6-36	14047	Computer & Related Infrastructure Renewal	283,000	●
<b>2019 Corporate Services - Information Technology Total R &amp; R</b>			<b>\$ 283,000</b>	
<b>2019 Corporate Services Total R &amp; R</b>			<b>\$ 633,000</b>	
<b>Financial Services</b>				
6-37	14012	Financial System	800,000	●
6-38	43038	Water Meter Replacement Program	600,000	●
6-39	43055	Advanced Metering Infrastructure	2,000,000	
<b>2019 Financial Services Total R &amp; R</b>			<b>\$ 3,400,000</b>	
<b>2019 Financial Services Total R &amp; R</b>			<b>\$ 3,400,000</b>	

**Operational Services**

**Fleet**

6-40	34220	GMC/K3500 (#17-20)	85,000	
6-44	34221	Kubota 4x4 Tractor (#599-19)	45,000	●
6-47	34228	Ice Resurfacers (#595-19)	90,000	●
6-51	34409	Smart Car Replacement (#400-19)	50,000	●
6-54	71103	Wide Area Mower (#255-20)	140,000	
6-57	71112	Ford 350 Dump Truck (#226-19)	60,000	
6-61	71119	Tractor - JD/4320 (#240-19)	60,000	●
6-64	31097	Traffic Line Painter (#70-19)	10,000	
6-65	43059	CCTV Camera (#72-19)	10,000	

**2019 Operational Services - Fleet Total R & R \$ 550,000**

**Parks**

6-66	72281	AFLC - Skate Park	600,000	
6-67	73212	Playground Replacement - Taylor Park	175,000	●
6-71	73231	Tennis Court Resurface - David English Park	20,000	●
6-72	73240	Walkway/Basketball Repaving - Tamarac Park	30,000	
6-75	73242	Improvements to Fleury Park Washroom Facility	250,000	
6-79	73315	Sheppards Bush Parking Lot Resurface	250,000	
6-83	73320	Subdivision Entry Sign - Batson & Yonge	27,100	

**2019 Operational Services - Parks Total R & R \$ 1,352,100**

**Water & Sewer**

6-84	41011	Sanitary Sewer CCTV Inspection	150,000	●
6-85	42060	Sanitary Inflow & Infiltration	400,000	●
6-86	42073	Stormwater Pond Maintenance Program	250,000	

**2019 Operational Services - Water & Sewer Total R & R \$ 800,000**

**2019 Operational Services Total R & R \$ 2,702,100**

**Planning and Development Services**

**Roads**

6-92	31177	Recon - Vandorf Sdrd - Monkman Crt - Carisbrooke	1,000,000	
6-94	31178	Recon - Poplar Cres	150,000	

**2019 PDS - Roads Total R & R \$ 1,150,000**

**Storm Sewer**

6-96	42066	Damaged Storm Pipe off Henderson Dr	960,000	●
6-98	42067	Storm Outfall Erosion at Mill Street	150,000	●

**2019 PDS - Storm Sewer Total R & R \$ 1,110,000**

**2019 Planning and Development Services Total R & R \$ 2,260,000**

**2019 Draft 1 Total Repair and Replacement Projects \$ 10,846,210**

- 10 Year Capital Plan
- Pre-approved Capital
- Public Consultation Request

Capital Projects

<b>Project</b>	72169 Town Hall- LAN Room HVAC		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To provide an emergency cooling source in the event of an air-conditioning malfunction at either the Town Hall LAN room or the Joint Operations Centre LAN room.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The LAN rooms in the Town Hall and the JOC house critical server and infrastructure equipment. In the event of an air conditioning failure, this unit can be activated eliminating the need to shut down service and equipment and as a result there would be minimal impact on business operations and service levels. After 30 minutes of cooling loss, temperatures in the LAN room quickly escalate to an unacceptable level, warranting the shut down of equipment for safety reasons.

**PROJECT BENEFITS:**

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

The benefit is to provide a quick alternative cooling source in the event of equipment failure. Air conditioning contracts are in place to expedite maintenance service in emergency situations however the mean time to repair fluctuates based on the nature of the call. Having an alternative cooling source as a backup makes good business sense to protect the investment of these rooms.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, IT and facilities staff would continue to monitor the room when the equipment fails and ultimately shut down the equipment when temperatures escalate to an unacceptable level. Service levels would drop until all repairs were made to restore the air conditioning.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	90,000	90,000						
	90,000	90,000						
<b>Expenditures Total</b>	<b>90,000</b>	<b>90,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	90,000	90,000						
	90,000	90,000						
<b>Funding Total</b>	<b>90,000</b>	<b>90,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72179 ACC - Multi-Purpose Room - Dressing Room Conversion		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Provide a multi-purpose room capable of being used for a change room and decent sized dressing room for hockey use. This room would be gender-neutral.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Visiting teams for the OHL games require dressing rooms earlier than the usual one hour prior to game requirement. Also, as a result of more girls now playing hockey, it is sometimes necessary to provide a separate dressing room for those participants. At the present time, it is often difficult to provide the necessary dressing rooms with appropriate facilities.

**PROJECT BENEFITS:**

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

Presently, it is often necessary for teams to move between arenas for dressing rooms. They may play on ACC #1 and yet have to use ACC #2 dressing rooms. Complaints are often received about this level of service, particularly when out of town teams participate in tournaments. Providing another properly sized dressing room that could be designated as gender neutral would provide a better customer experience.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, customer complaints would continue, particularly from visiting OHL teams and the AMHA.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	200,000	200,000						
	200,000	200,000						
<b>Expenditures Total</b>	<b>200,000</b>	<b>200,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	200,000	200,000						
	200,000	200,000						
<b>Funding Total</b>	<b>200,000</b>	<b>200,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72201 Work Station Refresh Carpet Paint		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

The office facilities are dated and we are not using the Town Hall space to maximize optimal space planning requirements. The goal is to balance out space requirements and refresh the work space. Most of the system furniture is original and requires an ergonomic update and revised space plan. Carpet is thread worn in areas and overall the working environment has not been updated in decades.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The plan is to space plan the floor plate and have team discussions on workflows and what staff requirements are and to have standards for job functions. Workstations would be either refreshed or replaced with new workstations and the flooring would be replaced with carpet tiles and walls would be repainted to one building standard. Each year, we would renovate a section of the building and continue until all the work spaces are completed. This is a multi-year plan as we want to slowly phase in sections of the building with minimal disruption.

**PROJECT BENEFITS:**

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, currently we have very little swing space and no room to grow. Reworking the existing space is more cost effective than building additions.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	621,300	150,000	153,600	157,100	160,600			
	621,300	150,000	153,600	157,100	160,600			
<b>Expenditures Total</b>	<b>621,300</b>	<b>150,000</b>	<b>153,600</b>	<b>157,100</b>	<b>160,600</b>			
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	621,300	150,000	153,600	157,100	160,600			
	621,300	150,000	153,600	157,100	160,600			
<b>Funding Total</b>	<b>621,300</b>	<b>150,000</b>	<b>153,600</b>	<b>157,100</b>	<b>160,600</b>			
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72213 ASC - LED Lighting		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q3 2019

**PROJECT DESCRIPTION:**

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

To install LED lighting in the Seniors Centre.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

In an effort to reduce hydro costs and the time spent replacing tubes, we want to retrofit the building with LED lighting.

**PROJECT BENEFITS:**

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

The cost of LED tube replacement continues to drop and we want to convert the Senior Centre to LED light in an effort to reduce energy costs over the next seven to ten years.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

We would continue with the current lighting in the faculty .

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	50,000	50,000						
	50,000	50,000						
<b>Expenditures Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	50,000	50,000						
	50,000	50,000						
<b>Funding Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72218 22 Church LED Lighting Retrofit		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q3 2019

**PROJECT DESCRIPTION:**

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

To reduce energy costs and heat from the incandescent bulbs in the building and install LED lighting in the Centre.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

In an effort to reduce hydro and the time spent replacing tubes, we want to retrofit the building with LED lighting.

**PROJECT BENEFITS:**

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

The cost of LED tube replacement continues to drop and we want to convert the building to LED light in an effort to reduce energy costs over the next seven to ten years.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

We would continue with the current lighting in the faculty.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	50,000	50,000						
	50,000	50,000						
<b>Expenditures Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	50,000	50,000						
	50,000	50,000						
<b>Funding Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	72218 22 Church LED Lighting Retrofit		
Department	Community Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	72274 AFLC - Squash Courts Floor Replacement		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To replace the existing squash court floors.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

By replacing the squash court floors, there would be a reduction in the ongoing maintenance and repairs required. As one of the only facilities in Aurora to have squash courts, replacement of the existing court floors should help to increase the availability of the facility space and reduce the downtime required for repairs.

**PROJECT BENEFITS:**

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

Repairing the floors will result in greater customer satisfaction and will cut down on the cost of repairs.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, facilities staff will continue to make repairs on an as needed basis.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	100,000	100,000						
	100,000	100,000						
<b>Expenditures Total</b>	<b>100,000</b>	<b>100,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	100,000	100,000						
	100,000	100,000						
<b>Funding Total</b>	<b>100,000</b>	<b>100,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72284 SARC - Replace Main Lobby Washroom Partitions		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q3 2019

**PROJECT DESCRIPTION:**

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

Replace the original washroom partitions in the main washrooms at the Stronach Aurora Recreation Complex (SARC).

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The units have been repaired multiple times and because of the abuse they are getting harder to keep aligned and doors do not close properly.

**PROJECT BENEFITS:**

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

The project will install vandal proof, zero gap doors that can take the long term abuse of a public arena.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

The impact is a minor increase in operational costs and will reduce the amount of down time of washroom stalls as we wait for parts or service calls.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	30,000	30,000						
	30,000	30,000						
<b>Expenditures Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	30,000	30,000						
	30,000	30,000						
<b>Funding Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72298 ACC - Snow Melt Pit Boiler		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q3 2019

**PROJECT DESCRIPTION:**

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

The Aurora Community Centre snow melt pit has been an ongoing issue as it cannot keep up in high demand winter operations as the internal melting system is not working to the required capacity.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Replacement of the pit boiler will improve the overall arena operation as the existing small snow pit has difficulty in keeping up with the demand of ice maintenance and the team has to use hot water to melt the ice during the winter operations. This has been on going for many years and we need to find a better solution that is more effective during peak operations.

**PROJECT BENEFITS:**

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

The pit uses reclaimed heat from the ice plant but that is intermittent and during peak times the operation team uses hot water to melt the ice, by adding a smaller boiler that is automated with a larger heat transfer unit in the pit, the team will not have to stand around and melt ice.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

The team will continue to use hot water to melt snow resulting in operational inefficiencies.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	20,000	20,000						
	20,000	20,000						
<b>Expenditures Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	20,000	20,000						
	20,000	20,000						
<b>Funding Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72323 SARC - Repair of concrete walkways		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Concrete paved walkways to the east of the building and islands separating the parking areas are showing signs of deterioration and need to be repaired.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Cracks, likely resulting from the differential settlement of the substrate, have been noted in isolated areas of the concrete paved walkway. At some locations the cracks have progressed, and concrete spalling has occurred. Also noted was concrete scaling from the use of de-icing salts, especially near the main entrance.

**PROJECT BENEFITS:**

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

Repairs to these areas will be more aesthetically pleasing and there will be a reduction in tripping hazards.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Staff will have to continue to deal with problem areas as they arise.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	20,000	20,000						
	20,000	20,000						
<b>Expenditures Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	20,000	20,000						
	20,000	20,000						
<b>Funding Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72326 AFLC - Replace overhead doors and operators		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replacement of mechanically operated exterior and interior insulated metal overhead and roll-up doors provided at the Ice Resurfacer Room located at the north end of the Aurora Family Leisure Complex (AFLC).

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The present doors are in excess of 15 years old. The doors and locking mechanisms, and hardware are worn. If the doors do not work properly, the ice resurfacer will be unable to clean the ice properly and dispose of the snow after cleaning. As the condition of the doors continues to deteriorate there is a real concern for the health and safety of the staff who work with these doors on a daily basis and customer groups who may be in the vicinity if a problem should occur.

**PROJECT BENEFITS:**

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

These doors provide access to the ice surface and out of the building to dispose of the snow after clearing the ice. If the resurfacer is unable to access both areas, the client groups will not have a proper surface for skating. As this arena is home to the Aurora Skating Club, the ability to provide good ice conditions is critical. By replacing the doors, there will be fewer repairs required which will reduce maintenance costs, and improve health and safety in the workplace.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, the doors will continue to require repairs and maintenance which may decrease the level of customer satisfaction as a result of the ice resurfacer not being able to access the ice surface. There will also be a continuing safety risk to the staff and possibly customers.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	15,400	15,400						
	15,400	15,400						
<b>Expenditures Total</b>	<b>15,400</b>	<b>15,400</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	15,400	15,400						
	15,400	15,400						
<b>Funding Total</b>	<b>15,400</b>	<b>15,400</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

Project	72340 ACC - Reseal exterior windows		
Department	Community Services		
Version	Draft 1	Year	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replace the caulking around the windows and doors at the Aurora Community Centre (ACC).

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The caulking around the windwos and doors appears to be urethane based. The sealant appears to be original to the addition which was completed in 1996 addition. The caulking is in poor condition, showing signs of splitting and degradation. A replacement of the window sealants of the central section is recommended.

**PROJECT BENEFITS:**

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

By making better seals around the windows and doors, this should help to improve the energy efficiency of the building and potentially reduce heating costs and help to reduce the risk of leaking.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, the seal would continue to deteriorate which could result in further damage to the building envelope.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	13,500	13,500						
	13,500	13,500						
<b>Expenditures Total</b>	<b>13,500</b>	<b>13,500</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	13,500	13,500						
	13,500	13,500						
<b>Funding Total</b>	<b>13,500</b>	<b>13,500</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72342 ACC - Replace thermoplastic membrane roofing		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replace the thermoplastic membrane on the roof of the center building section at the Aurora Community Centre.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The flat roof covering of the center building section consists of a white thermoplastic membrane. The thermoplastic flat roof is in poor condition, with ponding water observed throughout. Replacement of the thermoplastic roof membrane is recommended to avoid leaks and damage to building interiors.

**PROJECT BENEFITS:**

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

Replacement of the thermoplastic roof membrane is recommended to avoid leaks and damage to building interiors.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, there is the potential for the roof to leak causing further damage to the building envelope as well as the interior of the building resulting in more costly repairs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	165,600	165,600						
	165,600	165,600						
<b>Expenditures Total</b>	<b>165,600</b>	<b>165,600</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	165,600	165,600						
	165,600	165,600						
<b>Funding Total</b>	<b>165,600</b>	<b>165,600</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72356 ACC - Replacement of fire alarm panel		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replacement of the fire alarm panel at the Aurora Community Centre (ACC).

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Fire detection at the ACC is provided by an Armstrong fire alarm panel as well as fire pull stations located throughout the facility. The fire alarm system is inspected annually, and appears to be in good condition, however, the panel appears to date from 1996. As the typical service life of a fire alarm panel is 20 years, it is recommended that the panel be replaced before it fails.

**PROJECT BENEFITS:**

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

It is important that the fire alarm panel works to its full capacity so that potential fire can be detected immediately. This replacement of the fire alarm panel will help identify a potential problem and thus help to mitigate more extensive and costly damage.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not replaced, the panel could fail and thus increase the risk of a fire going undetected.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	20,000	20,000						
	20,000	20,000						
<b>Expenditures Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	20,000	20,000						
	20,000	20,000						
<b>Funding Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72389 22 Church - Repair wood flooring		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Repair wood flooring at the Aurora Cultural Centre. The floor covering is generally hardwood strip flooring in the corridors and museum areas.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Damaged hardwood floor strips in isolated areas were observed by both facilities staff as well as the Joint Health and Safety Committee. The observed damaged wood strips may potentially cause a trip hazard. In order to maintain the heritage characteristics of the hardwood floor, a restoration of the hardwood floor is required.

**PROJECT BENEFITS:**

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

Repair of the flooring will reduce tripping hazards and make the floors more aesthetically pleasing in keeping with the character of the buildings.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

By not making the repairs, tripping hazards will continue to exist and makeshift solutions will need to be implemented.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	25,000	25,000						
	25,000	25,000						
<b>Expenditures Total</b>	<b>25,000</b>	<b>25,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	25,000	25,000						
	25,000	25,000						
<b>Funding Total</b>	<b>25,000</b>	<b>25,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72393 ASC - Replacement of roofing sections		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replace roof sections at the Aurora Seniors Centre where ponding and roof leaks have been observed. Low sloped modified bitumen roof assemblies are present.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

As part of the Building Audit report, severe ponding and roof leaks were observed and reported respectively on roof sections B and C. Wood roof patio/maintenance decks are installed on the low sloped roof sections. The typical lifespan of this type of roof is between 20-30 years. Given the current visually apparent condition, the observed premature deterioration is indicative of a roof which has been poorly or incorrectly installed.

**PROJECT BENEFITS:**

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

As some deterioration has already been identified, it is prudent to make the necessary repairs now to prevent further damage.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, areas within the Seniors Centre would possibly be off limits where damage is severe and could result in more costly repairs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	32,160	32,160						
	32,160	32,160						
<b>Expenditures Total</b>	<b>32,160</b>	<b>32,160</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	32,160	32,160						
	32,160	32,160						
<b>Funding Total</b>	<b>32,160</b>	<b>32,160</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72394 ASC - Replacement of vinyl wall covering		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replace the wall coverings in Activity Rooms A, B and the Lounge.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The vinyl wall covering appears to be original to the building (2007). The vinyl wall covering's expected useful life is generally 10 years, after which the vinyl finish begins to fade and the edges begin to debond. Based on age and observed condition, the replacement of the vinyl wall covering is required.

**PROJECT BENEFITS:**

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

The replacement of the wall coverings at the Seniors Centre will improve the appearance in the three aforementioned rooms.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

The area will continue to look poorly.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	36,400	36,400						
	36,400	36,400						
<b>Expenditures Total</b>	<b>36,400</b>	<b>36,400</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	36,400	36,400						
	36,400	36,400						
<b>Funding Total</b>	<b>36,400</b>	<b>36,400</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72404 Town Hall - Replacement of exterior entrance doors		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Replacement of four double glazed glass entrance doors in aluminum frames located at the south, east, northwest wing and centre north elevations. In addition, the north entrance doors and south also have vestibule doors. In addition, we are looking at replacing the doors at the two staff entrances with are also double glazed glass single doors in aluminum frames, both are located on the south elevation, one leading to the first floor and the other leading to the second floor. In addition, the ground floor staff entrance has a vestibule door. Barrier free access is provided by door opener devices which are activated by push buttons.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The Building Audit provided the following findings that the exterior doors expected useful life, which is generally 20 years, is subject to exposure and usage. Given the current age (installed in 1991), it is apparent that the doors have been well maintained, and a replacement is suggested in 2019.

**PROJECT BENEFITS:**

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

The replacement of the original exterior doors at the Town Hall will improve the building envelope and may result in some reduction in heat and cooling loss. In addition, the maintenance costs should be less with newer doors.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, we continue to use the current doors.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	16,500	16,500						
	16,500	16,500						
<b>Expenditures Total</b>	<b>16,500</b>	<b>16,500</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	16,500	16,500						
	16,500	16,500						
<b>Funding Total</b>	<b>16,500</b>	<b>16,500</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72405 Town Hall - Replacement of roof sections and Skylight Sealant		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Repair roof at the southeast corner of the Town Hall. Reseal around the skylights on the third floor.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The building audit report identified active roof leaks at the southeast corner of Roof Section J. A modified bitumen roof assembly is known to provide a service life of approximately 22 years. The observed conditions (blisters, roof leaks, previous roof repairs) are reflective of a roof membrane approaching the end of useful life, and hence, in order to minimize damage to the building interiors, a phased life cycle replacement of the roof systems is recommended.

Deteriorated sealant was noted. No leaks from the skylights were observed, however, the Point of Contact reported that areas of flashing are deteriorating and leaking into the skylight gallery.

**PROJECT BENEFITS:**

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

By repairing the roof and the resealing the skylights, we will minimize the interior damage.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Potential for extensive interior damage that could be very costly to repair.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	250,000	250,000						
	250,000	250,000						
<b>Expenditures Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	250,000	250,000						
	250,000	250,000						
<b>Funding Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72406 SARC - Ice Plant Repairs		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 2019

**PROJECT DESCRIPTION:**

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

This project involves the regasketing of the Alfa Laval chiller, the HX-2 condenser and the HX-3 heat recovery plate and frame.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The Stronach Aurora Recreation Centre was built in 2004. It is recommended that the regasketing of ice plant equipment take place every fifteen years. Additional wear is caused as a result of year-round operation and the present gaskets are nearing the end of their life. The projects are recommended to help ensure equipment does not fail. A gasket failure during the operating season will mean loss of ice and revenue along with disruption to the ice rental programs.

**PROJECT BENEFITS:**

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

This work will help ensure that there is no unplanned interruption of programs which would negatively affect the various client groups.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If we do not complete the regasketing of this equipment and a failure occurs during the operating season, there would be a loss of ice and revenue and disruption to the ice rental program.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	62,850	62,850						
	62,850	62,850						
<b>Expenditures Total</b>	<b>62,850</b>	<b>62,850</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	62,850	62,850						
	62,850	62,850						
<b>Funding Total</b>	<b>62,850</b>	<b>62,850</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72421 Library - Replacement of perimeter sealant of windows		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

The windows, window walls and clerestory windows consists of fixed insulated glazed units in aluminum frames. The window wall is located on the south elevation and windows are located on all elevations of the buildings.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The window perimeter sealant, as a result of exposure to the elements and age, has started to develop cracks, and debond at isolated locations. At present, there is no significant damage, suggesting potential air and water infiltration noted on the windowsill and window surrounds.

In order to minimize damage to the building interior, windows sills and window wall surrounds, from the possible air and water infiltration, a replacement of the perimeter sealant is recommended.

**PROJECT BENEFITS:**

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

In proactively doing this work, the possibility of mitigating potential damage to the building envelope will be averted.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	26,000	26,000						
	26,000	26,000						
<b>Expenditures Total</b>	<b>26,000</b>	<b>26,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	26,000	26,000						
	26,000	26,000						
<b>Funding Total</b>	<b>26,000</b>	<b>26,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72438 SARC - Pool - Supply, Install and Replace Bleacher System		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To supply and install new high humidity telescopic bleachers and removal and disposal of existing bleachers at the Stronach Aurora Recreation Centre.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Replace existing bleachers with a more comprehensive bleacher system that can accommodate more participants and spectators during special events. The current system needs to be replaced within 3 years based on its current condition.

**PROJECT BENEFITS:**

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

The replacement of the bleacher system will provide more seating than we currently have available and can be used for multiple purposes at the Stronach Aurora Recreation Centre.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Continue to use the existing bleacher system.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	43,000	43,000						
	43,000	43,000						
<b>Expenditures Total</b>	<b>43,000</b>	<b>43,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	43,000	43,000						
	43,000	43,000						
<b>Funding Total</b>	<b>43,000</b>	<b>43,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72442 ACC - New Roll Up Doors (3)		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

It is recommended that three of the roll-up doors at the ACC be replaced. These doors were originally installed in 1996 and are all showing considerable signs of wear. The locking mechanisms and hardware are worn.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

These doors are becoming less dependable and their reliability has diminished considerably. More repairs and maintenance is required to ensure they work properly. Their unreliability is also a safety issue for staff that must use these doors in order to maintain the facility properly.

**PROJECT BENEFITS:**

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

By replacing these doors, there will be an improved level of service to clients providing them safe and reliable access to the building.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If these doors are not replaced, there will be increased maintenance expenses, down time for clients if they need to use these doors for access and increasing health and safety risks.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	60,000	60,000						
	60,000	60,000						
<b>Expenditures Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	60,000	60,000						
	60,000	60,000						
<b>Funding Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72444 Yonge St Electronic Sign Replacement		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

The Yonge Street sign is quite basic and has continuing problems with the programming. Staff have to attend to the sign on a weekly basis to input the messages for the following week. The graphics are limited and the messages are sometimes difficult to read.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The messaging on the signboard is limited and has a direct impact to the Town's ability to communicate events to the community.

**PROJECT BENEFITS:**

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

By improving the connectivity to allow easier, up to the minute programming, the community would be provided with improved notification of various events throughout the Town. By replacing the current sign, there will be a decrease in emergency repair costs and we will have a stable communication platform.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

New and improved signage will increase customer satisfaction.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	80,000	80,000						
	80,000	80,000						
<b>Expenditures Total</b>	<b>80,000</b>	<b>80,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	80,000	80,000						
	80,000	80,000						
<b>Funding Total</b>	<b>80,000</b>	<b>80,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72448 Town Hall - Interior Conversion to LED		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

It is recommended that all interior lighting at Town Hall be changed to LED lighting.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

By changing to LED lighting, there will be improved energy efficiency and an improved working environment for both the public users and staff.

**PROJECT BENEFITS:**

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

Benefits associated with a change to LED lighting will be improved lighting for the clients and staff and improved energy efficiency. Less routine maintenance will be required thereby allowing staff to address other concerns, as required.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

The impact of not changing to LED lighting will be increased energy costs and more maintenance and repairs of the present lighting.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	95,000	95,000						
	95,000	95,000						
<b>Expenditures Total</b>	<b>95,000</b>	<b>95,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	95,000	95,000						
	95,000	95,000						
<b>Funding Total</b>	<b>95,000</b>	<b>95,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72449 SARC - Interior LED Retrofit		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

It is recommended that the interior lighting at the SARC be changed to LED lighting. This is the finalization of the LED upgrade for all areas of the SARC.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

As part of the Canada 150 Infrastructure Grant Program, LED lighting was installed in the two rinks and the swimming pool at the SARC along with exterior LED lighting upgrades. Due to budget constraints, not all interior lighting was upgraded to LED. With the relocation of the Aurora Sports Hall of Fame to the SARC, LED lighting will enhance the displays.

**PROJECT BENEFITS:**

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

Improved energy efficiency will continue at the SARC with the finalization of the upgrade. The customer experience will also be enhanced for spectators and participants at the Aurora Sports Hall of Fame.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If the LED lighting upgrade is not completed, there will be no detrimental effects to the customer. In addition, we should not expect any reduction in energy costs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	30,000	30,000						
	30,000	30,000						
<b>Expenditures Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	30,000	30,000						
	30,000	30,000						
<b>Funding Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	72306 Lifeguard Chairs (3)		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 2019

**PROJECT DESCRIPTION:**

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

Replace a total of three life guard chairs at the SARC and AFLC.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Therecreation department has asked that the old chairs be replaced with new as they are old and are in need of replacement.

**PROJECT BENEFITS:**

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

Improved health and safety and reduced risk.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

We could have an increase in the operational budget if the chairs are unusable and needed to be replaced within the operation budget.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT & FURNISHINGS	18,000	18,000						
	18,000	18,000						
<b>Expenditures Total</b>	<b>18,000</b>	<b>18,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	18,000	18,000						
	18,000	18,000						
<b>Funding Total</b>	<b>18,000</b>	<b>18,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	74007 AFLC Fitness Equipment Replacement		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 - Q4 2019

**PROJECT DESCRIPTION:**

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

Continue to gradually replace old, out dated and redundant fitness equipment for Club Aurora.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

A recent comprehensive review of all existing fitness equipment revealed that current Club Aurora Fitness Centre equipment ranges in age from 3 years to 15+ years and most warranties have expired. A gradual replacement plan is being recommended in an effort to reduce the redundancy of old equipment, stay current with new fitness trends and to ensure that old equipment is replaced before escalated repair costs are incurred and to reduce the risk of possible injury. Equipment scheduled to be replaced in 2019 includes: torso rotation, tricep extension, leg extension, leg curls, calf press, leg press, fly rear delt, chest press, shoulder press and lat pulldown low row at an average cost of \$4,490 for each piece of equipment.

**PROJECT BENEFITS:**

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

To replace old and outdated equipment that is no longer used by members. To stay current with new fitness equipment trends and to stay competitive with other local fitness centres.  
To replace equipment that continues to have escalating annual repair costs.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

From a risk management perspective, to replace pieces of old equipment before they become a safety risk to members.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	201,800	50,000			37,400	65,500	48,900	
	201,800	50,000			37,400	65,500	48,900	
<b>Expenditures Total</b>	<b>201,800</b>	<b>50,000</b>			<b>37,400</b>	<b>65,500</b>	<b>48,900</b>	
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	201,800	50,000			37,400	65,500	48,900	
	201,800	50,000			37,400	65,500	48,900	
<b>Funding Total</b>	<b>201,800</b>	<b>50,000</b>			<b>37,400</b>	<b>65,500</b>	<b>48,900</b>	
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	74021 SARC - Comprehensive Sound/Audio/Public Address System Upgrade		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Provide a comprehensive sound/audio/public address system upgrade at the Stronach Aurora Recreation Complex that will meet the needs of the Corporation, including but not limited to aquatic programming, arena, programming, special events, health and safety and emergency management.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Improve efficiency of current services. Replace equipment at the end of life cycle. Ensure the Town meets legal demands in public spaces for example community centres to mitigate corporate risk and increase customer satisfaction.

**PROJECT BENEFITS:**

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

This project will provide a better service to the patrons of the Stronach Aurora Recreation Centre.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Continue to use the current system.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	45,200	45,200						
	45,200	45,200						
<b>Expenditures Total</b>	<b>45,200</b>	<b>45,200</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	45,200	45,200						
	45,200	45,200						
<b>Funding Total</b>	<b>45,200</b>	<b>45,200</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	74022 AFLC - Supply, Install and Replace Change Room Lockers		
<b>Department</b>	Community Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Supply and install a locker system that is functional and appropriate for Club Aurora members and all participants at the Aurora Family Leisure Complex, including gymnasium users, pool users, squash users and group fitness users.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Improve customer service and satisfaction by providing functional lockers that meet the needs year-round. Provide a secure method of storing belongings for all users that attend our buildings, improve facility operations and management by providing a centralized location to store personal belongings.

**PROJECT BENEFITS:**

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

This project will improve the customer experience for users of the Aurora Family Leisure Complex as the current lockers are not meeting their needs.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, users may be less satisfied with their overall experience.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	56,500	56,500						
	56,500	56,500						
<b>Expenditures Total</b>	<b>56,500</b>	<b>56,500</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
BLDG, FURN & FIX R&R RESERVE	56,500	56,500						
	56,500	56,500						
<b>Funding Total</b>	<b>56,500</b>	<b>56,500</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	12002 Accessibility Committee		
<b>Department</b>	Corporate Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To provide funding for the implementation of the 2018-2024 priorities as decided upon by the Accessibility Committee. The 2018-2024 Accessibility Plan will build upon previously adopted Accessibility Plans and continue to identify and remove barriers for people with disabilities in Town goals, services and facilities. Responsibility for the Accessibility Advisory Committee and plan implementation is with Corporate Services and the Accessibility Advisor. For 2019, the \$350,000 requested, as outlined in the Town's Accessibility Plan, is to be used for 3 audible pedestrian signals, closed capital for streaming, the wayfinding project and counters at Town Hall.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The effectiveness of the Accessibility Advisory Committee is dependent upon funding being made available for the action of its established Accessibility Plan. By allowing action of this plan through the provision of funding, the Town of Aurora will be contributing toward the achievement of its goal of continuing to identify and remove barriers for people with disabilities in Town goods, services and facilities.

**PROJECT BENEFITS:**

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

The Accessibility Advisory Committee recommends to Council plans to remove barriers that have been identified on an annual basis. The committees's plan is adopted by Council annually. This project allows for the implementation of the approved plan.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	1,100,000	350,000	250,000	100,000	100,000	100,000	100,000	100,000
	1,100,000	350,000	250,000	100,000	100,000	100,000	100,000	100,000
<b>Expenditures Total</b>	<b>1,100,000</b>	<b>350,000</b>	<b>250,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
SPECIAL R&R RES CONT'N	1,100,000	350,000	250,000	100,000	100,000	100,000	100,000	100,000
	1,100,000	350,000	250,000	100,000	100,000	100,000	100,000	100,000
<b>Funding Total</b>	<b>1,100,000</b>	<b>350,000</b>	<b>250,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	14047 Computer & Related Infrastructure Renewal		
<b>Department</b>	Corporate Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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.

In terms of desktop/laptop replacements we have 5 end user laptops and docking stations, and monitors to be rolled out in 2019. In addition this year we have a series of end of life critical core switches within our network due for replacement to support our current infrastructure. As well, desk side phones for all our facilities are end of life and require replacement.

**PROJECT BENEFITS:**

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

In an effort to streamline costs and to help reduce the environmental impact, the desktop and laptop evergreening cycle changed to seven years in 2013. Server replacement schedules reflect on average a ten year cycle. Replacement cycle changes, have resulted in an uneven expenditure over the next several years. Base on current IT inventories there is equipment that will be targeted for replacement in 2019. This amount will allow for the replacement of those identified computers, laptops and servers/network infrastructure elements critical to our ongoing business operations.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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 infrastructure replacement and making subsequent years heavier as a result.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	1,548,289	283,000	111,309	213,885	215,475	107,513	84,055	533,052
	1,548,289	283,000	111,309	213,885	215,475	107,513	84,055	533,052
<b>Expenditures Total</b>	<b>1,548,289</b>	<b>283,000</b>	<b>111,309</b>	<b>213,885</b>	<b>215,475</b>	<b>107,513</b>	<b>84,055</b>	<b>533,052</b>
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
COMPUTER RELATED EQUIP R&R	1,548,289	283,000	111,309	213,885	215,475	107,513	84,055	533,052
	1,548,289	283,000	111,309	213,885	215,475	107,513	84,055	533,052
<b>Funding Total</b>	<b>1,548,289</b>	<b>283,000</b>	<b>111,309</b>	<b>213,885</b>	<b>215,475</b>	<b>107,513</b>	<b>84,055</b>	<b>533,052</b>
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	14012 Financial System		
<b>Department</b>	Financial Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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: 1. open data structure, 2. wholly integrated "procurement to payment" functionality, 3. integrated budget & general ledger system, 4. contract and project management capabilities, 5. easy, intuitive and highly customizable reporting capability, and 6. properly sized and capable for our growing organization. The first phase of this large undertaking will consist of staff defining the comprehensive specifications for the new system and its RFP development. As a key component of this phase, staff will engage a financial systems specialist project manager consultant to assist in the development of the town's business needs & specifications as well as its tender preparation/evaluation.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The present suite of core financial system tools were acquired by the Town as stand alone components as the need for each tool arose making the integration of these tools difficult. A rapidly growing demand for town services and an increasing complexity in financial reporting requirements has progressively stretched the limits of the Town's present financial systems. Staff have undertaken multiple initiatives in an effort to optimize its existing financial systems; however, these systems have now reached a state where they are unable to meet the town's requirements in an effective or efficient manner. 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 its current and future requirements. If a new financial system is not implemented or is delayed, the town's current financial system framework's ability to meet staff's growing requirements will continue to deteriorate.

**PROJECT BENEFITS:**

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 collective current suite of financial systems to meet its rapidly expanding and increasingly 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.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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 staff's growing requirements will continue to deteriorate and the Town will be unable to achieve any of the process efficiencies or enhanced stakeholder services noted above.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	902,400	800,000	102,400					
	902,400	800,000	102,400					
<b>Expenditures Total</b>	<b>902,400</b>	<b>800,000</b>	<b>102,400</b>					
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
COMPUTER RELATED EQUIP R&R	902,400	800,000	102,400					
	902,400	800,000	102,400					
<b>Funding Total</b>	<b>902,400</b>	<b>800,000</b>	<b>102,400</b>					
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	43038 Water Meter Replacement Program		
<b>Department</b>	Financial Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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 individual customer is being billed for only the water they consume. The average life span of a residential water meter is 20 years

**LINK TO STRATEGIC PLAN**

**Supporting an exceptional quality of life for all - Objective 2: Invest in sustainable infrastructure -** Maintain and expand infrastructure to support forecasted population growth through technology, waste management, roads, emergency

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Water meters are mechanical devices and like all mechanical devices wear with age. For this reasons they need to be replaced so that the Town can ensure that the water meters are providing as accurate measurements as possible. Water meters were installed here in Aurora in 1990, we currently have approximately 17,000 service connections and water meters.

**PROJECT BENEFITS:**

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

The age of the majority of our water meters have hit 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, however, will be overseen by Financial Services Department as it relates to metering and revenues.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	4,444,000	600,000	511,900	523,400	535,000	545,700	557,700	1,170,300
	4,444,000	600,000	511,900	523,400	535,000	545,700	557,700	1,170,300
<b>Expenditures Total</b>	<b>4,444,000</b>	<b>600,000</b>	<b>511,900</b>	<b>523,400</b>	<b>535,000</b>	<b>545,700</b>	<b>557,700</b>	<b>1,170,300</b>
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
WATER & SEWER CONTRIBUTION	4,444,000	600,000	511,900	523,400	535,000	545,700	557,700	1,170,300
	4,444,000	600,000	511,900	523,400	535,000	545,700	557,700	1,170,300
<b>Funding Total</b>	<b>4,444,000</b>	<b>600,000</b>	<b>511,900</b>	<b>523,400</b>	<b>535,000</b>	<b>545,700</b>	<b>557,700</b>	<b>1,170,300</b>
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	43055 Advanced Metering Infrastructure		
<b>Department</b>	Financial Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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.

**PROJECT BENEFITS:**

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.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If not approved, we would continue to rely on our current contract meter reader and would not be able to provide the enhanced customer service provided through the customer portal.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	2,000,000	2,000,000						
	2,000,000	2,000,000						
<b>Expenditures Total</b>	<b>2,000,000</b>	<b>2,000,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
WATER & SEWER CONTRIBUTION	2,000,000	2,000,000						
	2,000,000	2,000,000						
<b>Funding Total</b>	<b>2,000,000</b>	<b>2,000,000</b>						
<b>Total Over (Under) Funded</b>								

**Operating Impact**

	Total	2019	2020	2021	2022	2023	2024	2025
SOFTWARE ANNUAL MTCE SUPPORT	576,500		105,700	111,400	115,400	119,700	124,300	
<b>Total</b>	<b>576,500</b>		<b>105,700</b>	<b>111,400</b>	<b>115,400</b>	<b>119,700</b>	<b>124,300</b>	





Capital Projects

<b>Project</b>	34220 GMC/3500 (#17-20)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

This unit is a 2010 truck and is in the 10 year capital plan. However it needs replacing 2 yrs earlier than the current asset life cycle of 10 years. We would purchase a new 3 ton pick up truck that will be used for may different tasks and in winter it will be designated for plowing/salting operations.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Due to its extensive use the truck box has a significant amount of rust, which requires repair. This reinforcing of the steel box has increased the weight of the box that makes it difficult for staff to open and close the sides. The plow and harness have also rusted out to where it needs disposing as it was no longer useful. Since this truck was purchased Fleet has switched from steel boxes on trucks to aluminum to mitigate the extra weight steel poses and corrosion. In addition, there are leaks in the fuel system and electrical system draw is constantly draining the battery which has not been possible to mitigate. These compounded issues means the truck is rarely utilized by staff as it does not allow them to complete their tasks in an efficient manner. The cost of repairs is \$5,500.00 as per the mechanical staff assessment( attached)  
~~The failure of this equipment will result in staff not meeting our maintenance service levels, lost additional unforeseen costs~~

**PROJECT BENEFITS:**

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

Service levels will be maintained and potential liability to the Town decreased.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

This aging unit has become a service problem and is unreliable which could potentially leave the Town liable should service levels not be met and increase our fleet costs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	85,000	85,000						
	85,000	85,000						
<b>Expenditures Total</b>	<b>85,000</b>	<b>85,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	85,000	85,000						
	85,000	85,000						
<b>Funding Total</b>	<b>85,000</b>	<b>85,000</b>						
<b>Total Over (Under) Funded</b>								

## VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# 1GD6K2BK9AF124826Vehicle or Equipment unit #: 17 Department Assigned to: Operational ServicesMake: GMC Model: Sierra Year: 2010Mileage: 51534 Hours of Operation: \_\_\_\_\_Date of Evaluation: OCT 1 2018 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	1	\$2000
Transmission	2	\$400
Drive Line	3	
Suspension	1	\$400
Steering	1	\$700
Exhaust	3	
Brakes	3	
Tires	3	
Hydraulic System	3	
Electrical System	1	\$2000
Body	2	
Interior	2	
Exterior	2	
Heating/Air Conditioning	3	
Pumping System	N/A	
Other		
Total Estimated Repair Cost	\$5500	

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

Evaluators Comments:

This Truck has a lot of issues and repairs needed, including fuel leaks and requires secondary fuel tank, pump, lines, filler neck and tank strap replacement. It needs several repairs to the suspension and steering. It has an air bag light on and also has a major electrical problem. It has a current draw that drains the battery. We had to install a battery cut out switch which has to be utilised every time the vehicle is parked. We have tried to repair the current draw and also we sent it to the dealership with no luck. Also the steel dumpbox had some major corrosion which we had to send out and have repaired. The result was the dumpbox sides were plated and reinforced making them very heavy. These issues meant that our operators rarely use this truck. It has gone 2,000 kms in over a year. It also use to have a western plow which rusted out and was disposed of, so it is no longer useful in winter.

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VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 8 \_\_\_\_\_ USEFUL LIFE 8 \_\_\_\_\_ YEARS OVER OR UNDER 0 \_\_\_\_\_

CURRENT MILEAGE 51,534 \_\_\_\_\_ MILEAGE THRESHOLD 60,000 \_\_\_\_\_ MILES OVER OR UNDER 8466 under \_\_\_\_\_

CURRENT HOURS \_\_\_\_\_ THRESHOLD HOURS \_\_\_\_\_ HOURS OVER OR UNDER \_\_\_\_\_

CAPITAL COST CONSIDERATIONS:

PURCHASE COST:\$65,738 \_\_\_\_\_

REPLACEMENT COST: \$70,000 \_\_\_\_\_

TRADE IN VALUE: \$10,000 \_\_\_\_\_

COMMENTS AND OTHER

CONSIDERATIONS: \_\_\_\_\_

RECOMMENDATIONS: I recommend this vehicle be replaced as it has a lot of issues and some of than cannot be resolved without great expense. Also even if we spend the money on these repairs it will still be used very rarely due to the heavy box and insufficient electrical system to run the salter unit effectively. As this unit is essential to winter operations vehicle should be replaced ahead of schedule. \_\_\_\_\_

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Capital Projects

<b>Project</b>	34221 Kubota 4x4 Tractor (#599-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

Replacement of 2007 Kubota tractor/snow blower/blade unit utilized to perform the winter snow clearing operation required at Town Hall and Seniors Centre for entrances/sidewalks etc. Additionally, the unit is utilized in summer/fall for parks maintenance operations, especially on trails and in parks for leaf clearing/cleanup. Useful lifecycle has met the target of 12 years for asset.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

This equipment allows Parks to execute the the works necessary to maintain the Parks Maintenance Standard Service Levels for snow clearing. Additionally, to better utilize the equipment the unit can be outfitted to include a mower attachment to assist in turf maintenance. This would maximize the use of the unit, and help staff with turf maintenance during peak growing months. Project is included in the 10 Capital forecast.

**PROJECT BENEFITS:**

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

Greater control over service level versus contractor, ability to complete work with Town resources quickly and efficiently.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Minimum service levels would not be met and manual work by staff would be increased requiring more labour to complete the tasks, lack of resources. Corporation could be exposed to potential litigation due to associated risks and/or hazards to the public. Aging unit could increase Fleet costs to maintain tractor.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	45,000	45,000						
	45,000	45,000						
<b>Expenditures Total</b>	<b>45,000</b>	<b>45,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	45,000	45,000						
	45,000	45,000						
<b>Funding Total</b>	<b>45,000</b>	<b>45,000</b>						
<b>Total Over (Under) Funded</b>								

VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# 10769

Vehicle or Equipment unit #: 599 Department Assigned to: PARKS

Make: KUBOTA Model: F2880 Year: 2007

Mileage: \_\_\_\_\_ Hours of Operation: 732

Date of Evaluation: July 10<sup>th</sup> 2018 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	1	\$5000
Transmission	1	\$4000
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	3	
Tires	2	
Hydraulic System	3	
Electrical System	3	
Body	3	
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System		
Other		
Total Estimated Repair Cost	\$9000	

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

Evaluators Comments: \_

This unit has low hours but is 11 years old and very tired! It is only used in the Fall and Winter but worked hard. The Engine is noisy, rattles and smokes and the Transmission has a very loud Whine noise. It is only a matter of time before one or both of these items fail.

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VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 11 USEFUL LIFE 8 YEARS OVER OR UNDER 3 over

CURRENT MILEAGE \_\_\_\_\_ MILEAGE THRESHOLD \_\_\_\_\_ MILES OVER OR UNDER \_\_\_\_\_

CURRENT HOURS 732 THRESHOLD HOURS 3000 HOURS OVER OR UNDER 2268 under

CAPITAL COST CONSIDERATIONS:

PURCHASE COST: \$10000

REPLACEMENT COST: \$25000

TRADE IN VALUE: \$3000

COMMENTS AND OTHER

CONSIDERATIONS: \_\_\_\_\_

RECOMMENDATIONS: I recommend we replace this unit as it is old and very likely to have a Major Failure soon. This type of vehicle is no longer available so I would recommend replacing it with a small Tractor or UTV.

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\_\_\_\_\_





Capital Projects

<b>Project</b>	34228 Ice Resurfacer (#595-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019-Q2 2019

**PROJECT DESCRIPTION:**

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

The replacement of failing ice resurfacer # 595.  
This machine is nine years old and has approximately 5127.2 hours of use.  
The life cycle of this machine is not intended for over five years.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The failure of this equipment results in disruption to ice programming, lost revenues, additional unforeseen costs and disruption of community services.  
This is included in the 10 year capital plan.

**PROJECT BENEFITS:**

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

The replacement of this Zamboni would allow for completed daily operations, uninterrupted ice programming and decreasing our fleet expenditures over time.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

This aging unit has become a service problem and is unreliable which could impact programming and increase our fleet costs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	90,000	90,000						
	90,000	90,000						
<b>Expenditures Total</b>	<b>90,000</b>	<b>90,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	90,000	90,000						
	90,000	90,000						
<b>Funding Total</b>	<b>90,000</b>	<b>90,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	34228 Ice Resurfacers (#595-19)		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

C:\Users\elizabeth horton\Desktop\IMG\_20180307\_135114.jpg



## VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# 9259Vehicle or Equipment unit #: 595 Department Assigned to: LeisureMake: Zamboni Model: 525 Year: 2009Mileage: \_\_\_\_\_ Hours of Operation: 5137Date of Evaluation: July 10<sup>th</sup> 2018 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	1	\$2000
Transmission	3	
Drive Line	3	
Suspension	n/a	
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		
Total Estimated Repair Cost	\$2000	

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

## Evaluators Comments:

This vehicle has just had Major Repairs in order to remain in service (\$4600) it is very old and has very high Hours. The Engine is leaking Oil which drips down and on to the Ice and it needs removing to complete this Repair.

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 9 \_\_\_\_\_ USEFUL LIFE 5 \_\_\_\_\_ YEARS OVER OR UNDER 4 over \_\_\_\_\_

CURRENT MILEAGE \_\_\_\_\_ MILEAGE THRESHOLD \_\_\_\_\_ MILES OVER OR UNDER \_\_\_\_\_

CURRENT HOURS 5137 \_\_\_\_\_ THRESHOLD HOURS 5000 \_\_\_\_\_ HOURS OVER OR UNDER 137 over \_\_\_\_\_

CAPITAL COST CONSIDERATIONS:

PURCHASE COST:\$80000 \_\_\_\_\_

REPLACEMENT COST: \$86000 \_\_\_\_\_

TRADE IN VALUE: \$20000 \_\_\_\_\_

COMMENTS AND OTHER

CONSIDERATIONS: \_\_\_\_\_

RECOMMENDATIONS: I recommend we Replace this machine.The Hour light is Flashing constantly on the Info Display as it has Exceeded Zamboni's Recommended Maximum Service life.It needs a Major Engine repair and will more than likely need more Major repairs in the Future if we keep it in service resulting in Downtime and Impacting our Rink Operations.

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\_\_\_\_\_  
\_\_\_\_\_

Capital Projects

<b>Project</b>	34409 Smart Car Replacement (#400-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

The smart car was purchased in 2008 as a green initiative. It was purchased for Bylaw with the intent it would suit the business needs. From the onset it did not suit the business as they need a larger vehicle to fulfill the requirements of the job. Facilities gave Bylaw a truck in an effort to assist the department and has been utilizing the smart car in their operation, though it is not fulfilling the needs of the division as they have to plan for other facilities vehicles to assist them at the ACC when the smart car does not meet the job task requirements. If approved, the plan is to purchase a 1/2 ton truck or SUV. This vehicle is in the 10 yr capital plan for replacement. Asset has met it lifecycle expectancy.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The smart car does not meet the fleet need for any department with the Town. However based on the business needs of facilities there may be an opportunity to stay green by purchasing an electric vehicle, as the industry has many different models of SUV on the market. The vehicle is necessary in order for the department to carry out their daily operations efficiently and without interruption or disruption of other facility staff or equipment.

**PROJECT BENEFITS:**

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 tasks more efficiently and in a timely manner which will allow for the improved delivery of service and programming.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

This aging unit has become a service problem and is potentially unreliable which could impact programming and increase our fleet costs. Additionally it has been impacting service delivery since initial purchase.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	50,000	50,000						
	50,000	50,000						
<b>Expenditures Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	50,000	50,000						
	50,000	50,000						
<b>Funding Total</b>	<b>50,000</b>	<b>50,000</b>						
<b>Total Over (Under) Funded</b>								

VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# WMEEJ31X98K207925

Vehicle or Equipment unit #: 400 Department Assigned to LEISURE

Make: Mercedes Model: Smart Four Two Year: 2008

Mileage: 73740 Hours of Operation: \_\_\_\_\_

Date of Evaluation: July 10<sup>th</sup> 2018 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	3	
Tires	1	\$800
Hydraulic System	n/a	
Electrical System	2	\$600
Body	2	\$500
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System	n/a	
Other		
Total Estimated Repair Cost	\$1900	

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

Evaluators Comments:

This vehicle needs some minor repairs at this time – Tires, TPMS Light on, Loose Exterior Trim/Broken. It is Ten years old and has had a lot of reliability concerns and expensive repairs at the dealership – 2016(\$4000) 2017(\$1500) It is not easy to work on due to it's design and Complexity and has Frequent trips to the Mercedes Dealership.

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 10 \_\_\_\_\_ USEFUL LIFE 8 \_\_\_\_\_ YEARS OVER OR UNDER 2 over \_\_\_\_\_

CURRENT MILEAGE 73740 \_\_\_\_\_ MILEAGE THRESHOLD 80000 \_\_\_\_\_ MILES OVER OR UNDER 6260 under \_\_\_\_\_

CURRENT HOURS \_\_\_\_\_ THRESHOLD HOURS \_\_\_\_\_ HOURS OVER OR UNDER \_\_\_\_\_

CAPITAL COST CONSIDERATIONS:

PURCHASE COST:\$18346 \_\_\_\_\_

REPLACEMENT COST: 20000 \_\_\_\_\_

TRADE IN VALUE: \$4000 \_\_\_\_\_

COMMENTS AND OTHER

CONSIDERATIONS: \_\_\_\_\_

RECOMMENDATIONS: I recommend we replace this Vehicle as it has exceeded it's recommended service life and is constantly incurring large costs to keep in Service.Also this vehicle has been passed around Departments as it has no real use/purpose in our Fleet.it is currently being used in facilities to drive around and perform small errands.It cannot do bigger tasks as it has no cargo capacity.

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\_\_\_\_\_  
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Capital Projects

<b>Project</b>	71103 Wide Area Mower (#255-20)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

2013 wide area mower utilized to mow sports field and park open space. Mower is recognized in the 10 yr capital plan but needs replacement sooner than forecast due to required repairs and lifecycle expectancy. The Town of Aurora does not have a lifecycle for this vehicle in its asset management policy but based on the manufacturers recommendations and conversations with other municipal fleet departments, these units are usually replaced at 3,000 hrs or 6 years. This mower was originally planned in the 10 yr capital for replacement after 7 yrs of service.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

This machine has accumulated 2,814 hrs since purchase and operates 5-6 days a week May through mid-October. This piece of equipment is essential to parks operations as it is the primary wide area cutter. Without this mower, service levels cannot be met and user groups could be impacted as this equipment maintains turf on the sports fields.

**PROJECT BENEFITS:**

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

Significant cost savings in repairs  
Less down time of equipment  
Maintenance targets met and customer satisfaction

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

User groups could suffer as a result of turf not being maintained adequately, loss of revenue and Town could be exposed to a liability.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	140,000	140,000						
	140,000	140,000						
<b>Expenditures Total</b>	<b>140,000</b>	<b>140,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	140,000	140,000						
	140,000	140,000						
<b>Funding Total</b>	<b>140,000</b>	<b>140,000</b>						
<b>Total Over (Under) Funded</b>								

VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# 313000303

Vehicle or Equipment unit #: 255 Department Assigned to: PARKS

Make: Toro Model: 5910 Groundsmaster Year: 2013

Mileage: \_\_\_\_\_ Hours of Operation: 2814

Date of Evaluation: \_\_\_\_\_ Evaluator: \_\_\_\_\_

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	2	\$800
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	3	
Tires	2	\$400
Hydraulic System	3	\$?
Electrical System	1	
Body	1	\$4000
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System	N/A	
Other		
Total Estimated Repair Cost		\$5200 plus Electrical Problem

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

Evaluators Comments:

This Machine has very high Hours due to the fact that it is used every day throughout Grass cutting season and has a very high Workload that is constantly growing. Currently it needs a new Engine Cover Assy and Brackets etc that is Damaged and an Expensive repair. It also has an Intermittent Electrical/Starting Problem which it may need to go to the Dealer to be repaired which is a challenge as this is a critical Unit and we cannot afford much Downtime. It does not need a lot of other repairs at this time as we constantly service and Maintain it but it has had some Major repairs recently due to the Age, Hours and nature of what this Machine has to do. Examples: Front Deck Lift Cylinders \$1200, Planetary Gear sets and Hubs \$10000, Steering Rams \$2600, Shift Solenoid \$1500.

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 4 USEFUL LIFE 5 YEARS OVER OR UNDER 1

CURRENT MILEAGE \_\_\_\_\_ MILEAGE THRESHOLD \_\_\_\_\_ MILES OVER OR UNDER \_\_\_\_\_

CURRENT HOURS 2814 THRESHOLD HOURS 3000 HOURS OVER OR UNDER 186

CAPITAL COST CONSIDERATIONS:

PURCHASE COST: \$86660

REPLACEMENT COST: \$135000

TRADE IN VALUE: \$60000

COMMENTS AND OTHER

CONSIDERATIONS: \_\_\_\_\_

RECOMMENDATIONS: I recommend we Replace this unit with Two New ones.It cannot Cope with the current increasing workload and is starting to have Reliability issues as well as some very Expensive Repairs.If we buy Two new Units not only will we be able to reliably cope with the increasing demands but the workload will be divided in two so the new machines will last longer and not accumulate as many Hours in such a short time.Additionally with Two Machines if one has a serious issue the other one can be continually used (overtime etc) so our operation is not compromised.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Capital Projects

<b>Project</b>	71112 Ford 350 Dump Truck (#226-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

This unit is a 2011 truck and is in the 10 year capital plan. However it needs replacing 2 yrs earlier than the current asset life cycle of 10 years. The truck is utilized for may different tasks and in winter it is designated for salting operations. Due to its extensive use, the truck box has a significant amount of rust, which is beyond repair and requires a new box to be installed. Since this truck was purchased, Fleet has switched from steel boxes on trucks to aluminum to mitigate the extra weight steel poses and corrosion. The cost of repairs is \$19,200 which exceeds the truck value of \$15,000 as per the mechanical staff assessment( attached)

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The failure of this equipment will result in staff not meeting our maintenance service levels, lost, additional unforeseen costs and disruption of services.

**PROJECT BENEFITS:**

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

Service levels will be maintained and potential liability to the Town decreased.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

This aging unit has become a service problem and is unreliable which could potentially leave the Town liable should service levels not be met and increase our fleet costs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	60,000	60,000						
	60,000	60,000						
<b>Expenditures Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	60,000	60,000						
	60,000	60,000						
<b>Funding Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Total Over (Under) Funded</b>								

## VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# 1FDRF3G6XBEB16552Vehicle or Equipment unit #: 226 Department Assigned to: PARKSMake: FORD Model: F350 Year: 2011Mileage: 58605KM Hours of Operation:                     Date of Evaluation: JAN23RD 2017 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	2	\$200
Transmission	1	\$3000
Drive Line	1	
Suspension	1	
Steering	1	
Exhaust	1	
Brakes	2	\$400
Tires	2	\$1500
Hydraulic System	1	
Electrical System	1	
Body	3	\$14000
Interior	2	\$100
Exterior	1	
Heating/Air Conditioning	1	
Pumping System	N/A	
Other		
Total Estimated Repair Cost		\$19200

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

## Evaluators Comments:

This Truck needs new tires and Front Brakes replacing soon.It is also in need of some Major Repairs.The Transmission has started slipping and will need rebuilding or replacing.Both Front Fenders are heavily Rusted with perforation occurring on the Left hand side.The biggest issue is the Steel Dump Body.It is very Heavily Rusted and has already had Major Welding Repairs.It is now at the point where it would have to be Replaced,It also Utilises a light duty Hydraulic Ram that usually needs replacing or rebuilding every year.We no longer use Steel Boxes mainly due to the Weight and the Corrosion problems so to outfit this Truck with an Aluminum box and Updated Nitrile Coated Hydraulic Ram would cost around \$12000.

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 8 USEFUL LIFE 8 YEARS OVER OR UNDER 0

CURRENT MILEAGE 58605km MILEAGE THRESHOLD 80000 MILES OVER OR UNDER 21395 under

CURRENT HOURS \_\_\_\_\_ THRESHOLD HOURS \_\_\_\_\_ HOURS OVER OR UNDER \_\_\_\_\_

CAPITAL COST CONSIDERATIONS:

PURCHASE COST: \$39416

REPLACEMENT COST: approx. \$60000

TRADE IN VALUE: \$15000

COMMENTS AND OTHER

CONSIDERATIONS: Also this Truck is used as a Salter in The Winter and The Salter attachment is also at the end of it's useable service life adding approx. \$8000 to \$10000 that would also need spending to keep this unit Operational.

RECOMMENDATIONS: I recommend we replace This truck as it is not Heavy Duty enough for it's required duties and the cost of Repairs to extend the life of it are not cost efficient for the amount of use we would get out of it.We should replace it with a Heavier Duty Flatbed Truck with an Aluminum Dump Box and new Salter.

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\_\_\_\_\_  
\_\_\_\_\_



Capital Projects

<b>Project</b>	71119 Tractor - JD/4320 (#240-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019

**PROJECT DESCRIPTION:**

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

Replacement of 2008 tractor utilized for ball diamond maintenance with a new ball diamond tractor and groomer attachment. This tractor and groomer are in the 10 year capital plan.

Utilized daily 7 days a week for 5 months of the year to maintain 18 ball diamonds

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Currently, this tractor and groomer are used daily, 7 days a week for 5 months to maintain 18 ball diamonds. The failure of this equipment will result in staff not meeting our maintenance service levels, lost revenues, additional unforeseen costs and disruption of services.

**PROJECT BENEFITS:**

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

Service levels will be maintained and potential liability to the Town decreased.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

This aging unit is very tired and has required more repairs/down time over the last few years which could potentially leave the Town liable should service levels not be met and increase our fleet costs.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	60,000	60,000						
	60,000	60,000						
<b>Expenditures Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	60,000	60,000						
	60,000	60,000						
<b>Funding Total</b>	<b>60,000</b>	<b>60,000</b>						
<b>Total Over (Under) Funded</b>								

VEHICLE/EQUIPMENT EVALUATION FORM

Vehicle or Equipment VIN or Serial# LV4320H520195

Vehicle or Equipment unit #: 240 Department Assigned to: PARKS

Make: JOHN DEERE Model: 4320 Year: 2008

Mileage: \_\_\_\_\_ Hours of Operation: 4133

Date of Evaluation: July 10<sup>th</sup> 2018 Evaluator: Matthew Frost

System	Diagnosis	Estimated Repair Cost
Engine	3	
Transmission	3	
Drive Line	3	
Suspension	3	
Steering	3	
Exhaust	3	
Brakes	3	
Tires	3	
Hydraulic System	3	
Electrical System	2	\$200
Body	3	
Interior	3	
Exterior	3	
Heating/Air Conditioning	3	
Pumping System	n/a	
Other		
Total Estimated Repair Cost	\$200	

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

Evaluators Comments: \_\_\_\_\_

This unit does not need much repair work right now as we have to keep it in good shape as it id used every day throughout the Spring/Summer season grooming the Ball Diamonds.

VEHICLE/EQUIPMENT EVALUATION SUMMARY REPORT

SUMMARY OF VALUES

YEARS OF SERVICE 10 USEFUL LIFE 10 YEARS OVER OR UNDER 0

CURRENT MILEAGE MILEAGE THRESHOLD MILES OVER OR UNDER

CURRENT HOURS 4133 THRESHOLD HOURS 5000 HOURS OVER OR UNDER 867 under

CAPITAL COST CONSIDERATIONS:

PURCHASE COST:40000

REPLACEMENT COST: 50000

TRADE IN VALUE: 25000

COMMENTS AND OTHER CONSIDERATIONS:

RECOMMENDATIONS: I recommend we replace this Unit as it is at it's maximum recommended Service life.This unit is solely relied upon to Groom all the Baseball Diamonds in Town it is old now and is starting to need more and more Repairs.We need a new more reliable unit as this Tractor is Critical to our Operations and we can afford very liitle downtime.

Four horizontal lines for additional text or signature.



Capital Projects

<b>Project</b>	31097 Traffic Line Painter (#70-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2

**PROJECT DESCRIPTION:**

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

Replace traffic line painting machine

- Key Goals: to ensure that staff are supported with reliable equipment to enable the most efficient traffic zone painting operation as possible
- Objective: includes replacing aged operational equipment on a routine schedule
- Performance Measures: providing consistently reliable equipment to assist staff in conducting traffic line painting operation with minimal interruption due to equipment failures and down time

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The existing traffic line painting equipment has exceeded it useful service life, such that repeated equipment breakdowns were experienced in 2017 and further down time due to the fact that there are limited parts available. All of these conditions resulted in loss of staff productivity, and long delays in the traffic line painting program. This has an impact on service levels where traffic demarkation lines at intersection are in some cases eroded away and should be reinstated much earlier in the season.

**PROJECT BENEFITS:**

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

Benefits of having reliable equipment for traffic line painting include ensuring intersection stop blocks and pedestrian crossings are clearly marked and highly visible such that motorists and pedestrians have clear and visible pavement marking to guide them.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Traffic line painting operation would continue to experience equipment failures and down time. High potential for long delays in line painting operation and poor quality road markings may result which can impact both pedestrian and motorists.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	10,000	10,000						
	10,000	10,000						
<b>Expenditures Total</b>	<b>10,000</b>	<b>10,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	10,000	10,000						
	10,000	10,000						
<b>Funding Total</b>	<b>10,000</b>	<b>10,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	43059 CCTV Camera (#72-19)		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 - Q4

**PROJECT DESCRIPTION:**

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

CCTV Camera is required to equip the Water & Waste Water operators with reliable and accurate closed circuit television equipment for inspecting and trouble shooting infrastructure related works

- Key Goals: ensuring staff have the most reliable and up to date equipment for immediate dispatch in the event of an infrastructure failure or for inspections
- Objectives: having well equipped municipal staff supported by the best possible devices and tools that are required to conduct their business in a highly professional manner
- Performance Measures: the ability to respond quickly and accurately in determining the cause of infrastructure failure

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Current CCTV equipment is almost nine years old and has a history of failure related down time. Water and waste water operators are dependant on continuous reliability of their tools and equipment and as municipal representatives it is incumbent upon managers and supervisors to ensure that staff can respond to all types of events, issues and problems with our sewer and water network. It is necessary to conduct closed circuit television inspection, sometimes on very short notice and having reliable and good quality equipment is very important.

The camera is capable of pinpointing the problem areas both by internal pipe video imaging as well as defining the exact location on the surface of the ground such that the pipe can be marked out clearly for all to see.

**PROJECT BENEFITS:**

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

The benefits in the provision of CCTV video imaging, include being able to view a blocked sewer lateral and provide home owners with quality information in terms of location of the problem. After hours, there is a level of customer service that must be considered routine as time is of the essence. This equipment can help in mitigating any potential liability, should a property owner wish to pursue if the Town is unable to prove where a failed service pipe is located.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Staff will continue to utilize current equipment, based on the history of the device and its limitations staff may not be able to respond as promptly or effectively in the event of further equipment failure. In this case it would be necessary to call in a contracted CCTV service provider causing possible unnecessary delays.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
EQUIPMENT - OTHER	10,000	10,000						
	10,000	10,000						
<b>Expenditures Total</b>	<b>10,000</b>	<b>10,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
FLEET R&R RESERVE CONT'N	10,000	10,000						
	10,000	10,000						
<b>Funding Total</b>	<b>10,000</b>	<b>10,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	72281 AFLC - Skate Park		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q22018

**PROJECT DESCRIPTION:**

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

The skate park is highly used and over the past few winters the concrete bowls have cracked and some concrete has delaminated on the flat areas . The goal is to repair the concrete and add better drainage in the area to reduce the effect that frost has on the skate park.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Extreme winter frost 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.

**PROJECT BENEFITS:**

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 and the reduced risk of injury due to spalling concrete and cracks in the skate bowl.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Major impact is if we get an extremely cold winter the area could be unsafe to use.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	600,000	600,000						
	600,000	600,000						
<b>Expenditures Total</b>	<b>600,000</b>	<b>600,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	600,000	600,000						
	600,000	600,000						
<b>Funding Total</b>	<b>600,000</b>	<b>600,000</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	73212 Playground Replacement- Taylor Park		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 2019- Q3 2019

**PROJECT DESCRIPTION:**

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

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

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Taylor Park playground has been in service since 1998. While the playground is functional, it is outdated and unattractive to the children in the neighborhood. There are some significant wear patterns to the decking/platforms that have been identified during monthly playground inspections over the past few years and repairs done to mitigate the problems. The decks and platforms as well as the stair surfacing are starting to degrade/crack and peel. This playground will be replaced with a more functional, practical structure inclusive of some of the latest and desirable features on the market so children can enjoy the amenity to its fullest. The fall protection surfacing will also be replaced and drainage improved as part of the project. This project is included in the 10 year Capital Plan.

**PROJECT BENEFITS:**

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 in the surrounding area 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. In replacing the asset, the Town will mitigate the associated hazards and increased costs incurred by keeping the aging infrastructure up to standard.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	175,000	175,000						
	175,000	175,000						
<b>Expenditures Total</b>	<b>175,000</b>	<b>175,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	175,000	175,000						
	175,000	175,000						
<b>Funding Total</b>	<b>175,000</b>	<b>175,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	73212 Playground Replacement- Taylor Park		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

E:\DCIM\100\_\_06\IMG\_0007.JPG



Capital Projects

Project	73212 Playground Replacement- Taylor Park		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	73212 Playground Replacement- Taylor Park		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	73231 Tennis Court Resurface- David English Park		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 -3 2019

**PROJECT DESCRIPTION:**

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

To replace tennis court surfacing.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Tennis court surfaces need rehabilitation every eight to ten years as small cracks appear and water starts to pool. As well, lines and surfacing fade and the surface can become slick in high water areas such as the baseline. Resurfacing will provide improved playing conditions and increase safety for all user groups.

This project has been included in the most recent 10 year capital plan.

**PROJECT BENEFITS:**

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

To increase the functionality of the surfacing and safety.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Infrastructure would continue to degrade and can lead to more significant repairs to the base layer and the Town could be liable due to unsafe conditions.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	20,000	20,000						
	20,000	20,000						
<b>Expenditures Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	20,000	20,000						
	20,000	20,000						
<b>Funding Total</b>	<b>20,000</b>	<b>20,000</b>						
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	73240 Walkway/Basketball Repaving- Tamarac Park		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Tamarac Park playground was approved in the early 2019 budget process as it is linked to an approved project through the Engineering Department.  
The Engineering Division was contacted by York Region and LSRCA with respect to a partnership to retrofit the storm water catchment area with an advanced, state of the art system to manage storm water. As the location for the project is within an active park, engineering would partner with the Region and they would pay for the stormwater upgrade. The Town would be responsible for the playground improvement. When playgrounds are upgraded, the asphalt areas are resurfaced as they typically are aged and become degraded further during retrofit/construction of playground.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

This project was in the 10 year capital plan for 2020 but was moved up to 2019 to tie in with playground and SWM pond work. Due to the significant construction within the park related to the SWMP reconstruction and playground construction, pathways will need resurfacing. Additionally, it will be necessary to relocate some paths and the basketball area as part of the new integrated SWMP area. This park has had historical issues with asphalt heaving due to the high water table associated with the SWMP, the improvements will help alleviate the uneven surfacing.

**PROJECT BENEFITS:**

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

Redesigning the park will be provide an inviting space to play that will keep children active and engaged with their peers. Risks will be significantly lowered as the asphalt will be level, therefore the Town will help mitigate the associated hazards and increased costs incurred to keep aging infrastructure in a safe state. New asphalt surface on the pathways and basketball court will allow for increased use and safety as it will no longer be threatened by flooding.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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 becomes further compromised.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	30,000	30,000						
	30,000	30,000						
<b>Expenditures Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	30,000	30,000						
	30,000	30,000						
<b>Funding Total</b>	<b>30,000</b>	<b>30,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	73240 Walkway/Basketball Repaving- Tamarac Park		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	73240 Walkway/Basketball Repaving- Tamarac Park		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	73242 Improvements to Fleury Park Washroom Facility		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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.

**PROJECT BENEFITS:**

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.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	282,100	250,000			32,100			
	282,100	250,000			32,100			
<b>Expenditures Total</b>	<b>282,100</b>	<b>250,000</b>			<b>32,100</b>			
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	282,100	250,000			32,100			
	282,100	250,000			32,100			
<b>Funding Total</b>	<b>282,100</b>	<b>250,000</b>			<b>32,100</b>			
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	73242 Improvements to Fleury Park Washroom Facility		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	73242 Improvements to Fleury Park Washroom Facility		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	73242 Improvements to Fleury Park Washroom Facility		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	73315 Sheppards Bush Parking Lot Resurface		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1-Q2 2019

**PROJECT DESCRIPTION:**

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

Sheppards Bush Parking lot located off Industrial Parkway provides access to the artificial turf, many natural grass fields and trails is owned by Ontario Heritage Trust (OHT) and managed by LSRCA. Through an agreement, the Town utilizes the lands for recreation purposes while maintaining the infrastructure installed to facilitate the recreational programs. The lot was originally gravel and in 2010 the Town received an Recreation Infrastructure Canada (RInC) grant to help fund the resurfacing of this heavily used lot. OHT had required the lot to be permeable. Town staff are always looking for new innovative products and a permeable recycled glass product appeared to fit our requirements. Surfacing was installed and performed satisfactorily initially. After that the lot surfacing has been degrading yearly, with the sloughing off of the glass due to wear and tear from all the traffic. With the reconstruction of the Artificial Turf in 2018 it has become apparent that this lot will require a resurfacing shortly, this has been compounded by construction equipment required to do the reconstruction turf works and only one access point. The Town is exploring viable options with LSRCA and OHT and it appears there are some options that perhaps will allow the town to leave in place the glass and asphalt over provided a

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Lot surfacing is very slippery due to the glass sloughing off and sitting on the surface. This can cause issues with pedestrian travel and spinning of vehicle tires. We have had a couple reports from field users of children falling on the lot. In addition, the glass surface is cracking and breaking up and not performing as intended. Asphaltting the lot would allow for a long term, durable solution for this high traffic lot. Support of OHT is required in order for the project to proceed.

**PROJECT BENEFITS:**

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

Safe, durable surfacing for users and long term solution which will allow for water to still be able to permeate the solid surrounding through the utilization of low impact development design options. Signage on site can educate the public about new technology regarding storm run off.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Possible litigation and a degraded asset that has surpassed its useful lifecycle. Possible loss of parking to users due to the ongoing degradation of surfacing

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	250,000	250,000						
	250,000	250,000						
<b>Expenditures Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
PARKS R&R RESERVE CONT'N	250,000	250,000						
	250,000	250,000						
<b>Funding Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	73315 Sheppards Bush Parking Lot Resurface		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	73315 Sheppards Bush Parking Lot Resurface		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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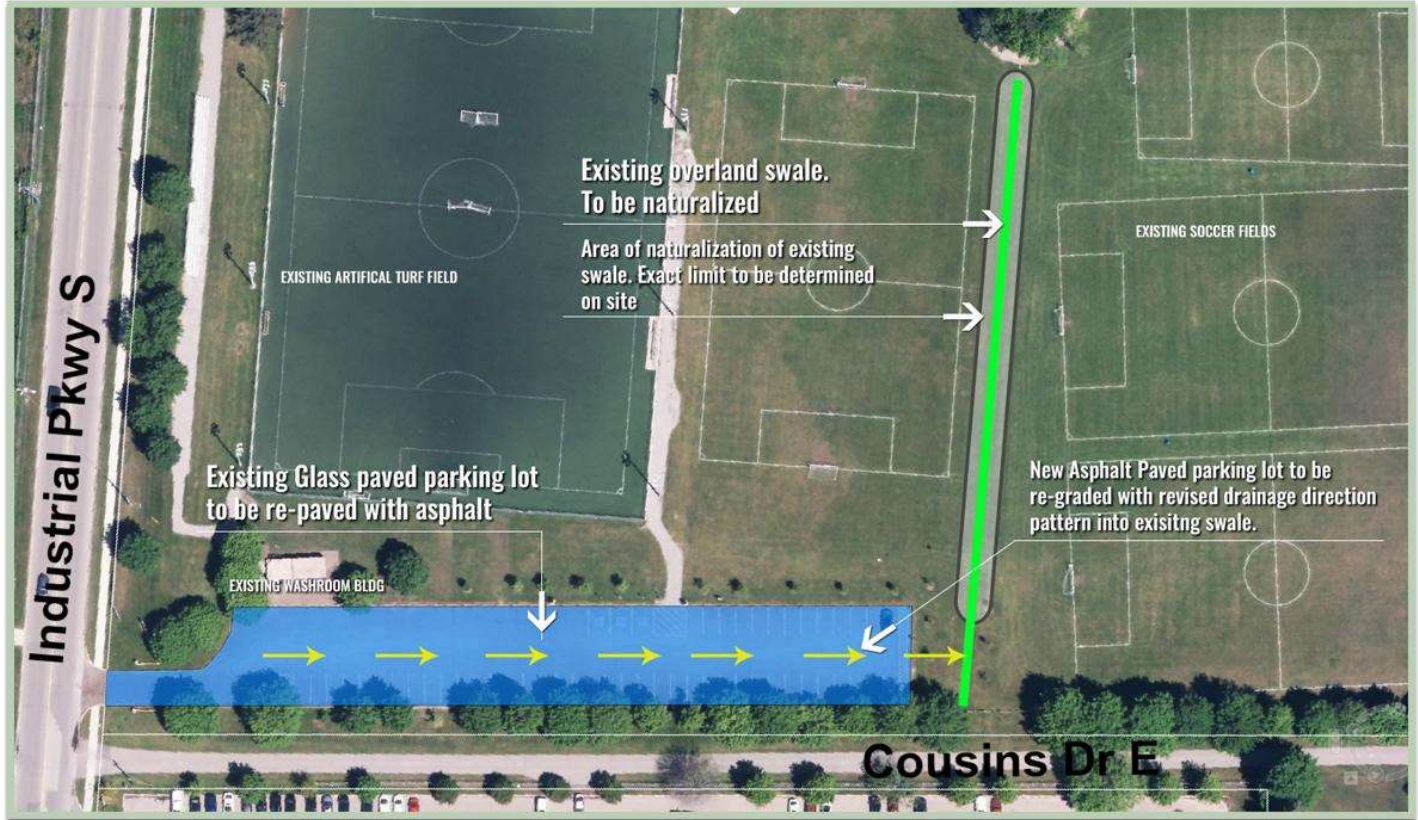


Capital Projects

Project	73315 Sheppards Bush Parking Lot Resurface		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Parking Lot Paving and Site Renovations  
NOT TO SCALE

**SHEPPARD'S BUSH**  
Aurora, ON.

Capital Projects

<b>Project</b>	73320 Subdivision Entry Signage - Batson & Yonge		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

Staff was asked to prepare information for the Parks, Recreation and Cultural Services Advisory Committee (PRCSAC) on re-installation of subdivision entry signage for Valhalla Subdivision that had been removed many years ago as it had degraded. Report No: PRCSAC18-001 went to the committee for review in June 2018 with a concept design, cost estimate for 2019 Capital budget.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

Council approved the recommendation to include the project in the 2019 Capital for deliberation.

**PROJECT BENEFITS:**

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

Formal entry for the subdivision recognizing the entrance to the residential area off of Yonge St.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	27,100	27,100						
	27,100	27,100						
<b>Expenditures Total</b>	<b>27,100</b>	<b>27,100</b>						
<b>Funding</b>								
<b>Special Purpose Reserve Funds</b>								
LANDSCAPE FEE RESERVE CONT'N	27,100	27,100						
	27,100	27,100						
<b>Funding Total</b>	<b>27,100</b>	<b>27,100</b>						
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	41011 Sanitary Sewer CCTV Inspection		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To inspect and investigate condition of sanitary mains and laterals and when necessary storm mains and laterals throughout the Town.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

CCTV inspections highlight potential problem areas and thus reduce the risk of infrastructure failure and reduces the Town's liability resulting from sewer backup. Previously, money was included in the operating budget to undertake the inspections.

**PROJECT BENEFITS:**

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

To mitigate the risk to the Town of potential infrastructure failure.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	1,476,700	150,000	153,600	157,100	160,600	163,800	167,400	524,200
	1,476,700	150,000	153,600	157,100	160,600	163,800	167,400	524,200
<b>Expenditures Total</b>	<b>1,476,700</b>	<b>150,000</b>	<b>153,600</b>	<b>157,100</b>	<b>160,600</b>	<b>163,800</b>	<b>167,400</b>	<b>524,200</b>
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
SANI SEWER R&R RES CONT'N	1,476,700	150,000	153,600	157,100	160,600	163,800	167,400	524,200
	1,476,700	150,000	153,600	157,100	160,600	163,800	167,400	524,200
<b>Funding Total</b>	<b>1,476,700</b>	<b>150,000</b>	<b>153,600</b>	<b>157,100</b>	<b>160,600</b>	<b>163,800</b>	<b>167,400</b>	<b>524,200</b>
<b>Total Over (Under) Funded</b>								





Capital Projects

<b>Project</b>	42060 Sanitary Inflow & Infiltration		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

**PROJECT DESCRIPTION:**

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

To survey sanitary and storm mains on a 10 year cycle covering the entire Town, covering 10% of the Town annually which will identify potential restoration work.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The inspections will include a rating system that will establish a sewer condition ranking system which will categorize the current condition of each sewer line using PACP coding in the range from 1 to 5 to quickly identify needs and immediate actions.

In addition, summary reporting will convert the PACP rating for the Town providing instructions for next steps and thus produce a Town-wide action listing with the following categories: emergency rehabilitation, rehabilitation in next planning cycle, rehabilitation in future planning cycle, inspection watch list and operations and maintenance hot spots including deposits and ragging.

**PROJECT BENEFITS:**

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

These inspections will help to highlight areas of concern that need to be addressed and thus mitigate more significant repair costs.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Continue on as is and potentially incur costs as a result of unplanned system failure.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	3,936,600	400,000	409,500	418,700	428,000	436,600	446,200	1,397,600
	3,936,600	400,000	409,500	418,700	428,000	436,600	446,200	1,397,600
<b>Expenditures Total</b>	<b>3,936,600</b>	<b>400,000</b>	<b>409,500</b>	<b>418,700</b>	<b>428,000</b>	<b>436,600</b>	<b>446,200</b>	<b>1,397,600</b>
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
WATER & SEWER CONTRIBUTION	3,936,600	400,000	409,500	418,700	428,000	436,600	446,200	1,397,600
	3,936,600	400,000	409,500	418,700	428,000	436,600	446,200	1,397,600
<b>Funding Total</b>	<b>3,936,600</b>	<b>400,000</b>	<b>409,500</b>	<b>418,700</b>	<b>428,000</b>	<b>436,600</b>	<b>446,200</b>	<b>1,397,600</b>
<b>Total Over (Under) Funded</b>								



Capital Projects

<b>Project</b>	42073 Stormwater Pond Maintenance Program - 2019		
<b>Department</b>	Operational Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 through Q3

**PROJECT DESCRIPTION:**

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

This project will be an ongoing initiative involving scheduled inspection and general maintenance to ensure continued and effective functionality of the storm water management ponds. Initially we will retain a consulting firm to conduct a full inspection of all SWM ponds to review and quantify the scope of maintenance work required. The project will also include a staff training element on SWM pond inspections. Key Goals: the development and implementation of an inspection and maintenance standard protocol for SWM ponds.

Objectives: provision of the required maintenance related works required to effectively manage and maintain our SWM ponds.  
Performance Measures: ensure that SWM Ponds are performing their intended functions as designed by providing the necessary ongoing resources to achieve the best possible water quality discharged to our water shed tributaries and eventually entering into Lake Simcoe.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

While it is recognized that there have been several major retrofits and re-engineering of some Storm Water Management Ponds, it should also be recognized that routine maintenance has been lacking for many years in the majority of our SWM facilities. Currently, the resources to provide this maintenance are inadequate based on the scope and estimated volume of maintenance work that is required. Failure to conduct regular inspections and maintenance of the SWM pond inlet and outlet structures and devices, as well as, vegetation will result in disfunction of the pond and non standard performance. These facilities must be regularly inspected and maintained in order to achieve the maximum benefit in treating storm water prior to it entering into the watershed.

**PROJECT BENEFITS:**

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

Benefits of a SWM pond inspection and maintenance protocol will have a direct influence on the continued performance of these important environmental control features. Ensuring that these ponds are properly inspected and maintained on a regular cycle has a significant impact on the quality of water leaving the SWM pond and entering into the Lake Simcoe watershed. SWM ponds in the northern part of York Region can have a significant water quality impact on Lake Simcoe depending upon the level of maintenance they receive and the overall functionality.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Currently, there is minimal maintenance occurring in our 45 SWM ponds. Should this project not move forward our SWM ponds will remain in their current state of repair and functionality resulting in a reduction in SWM Pond performance and potentially impacting our water quality.

**Budget**

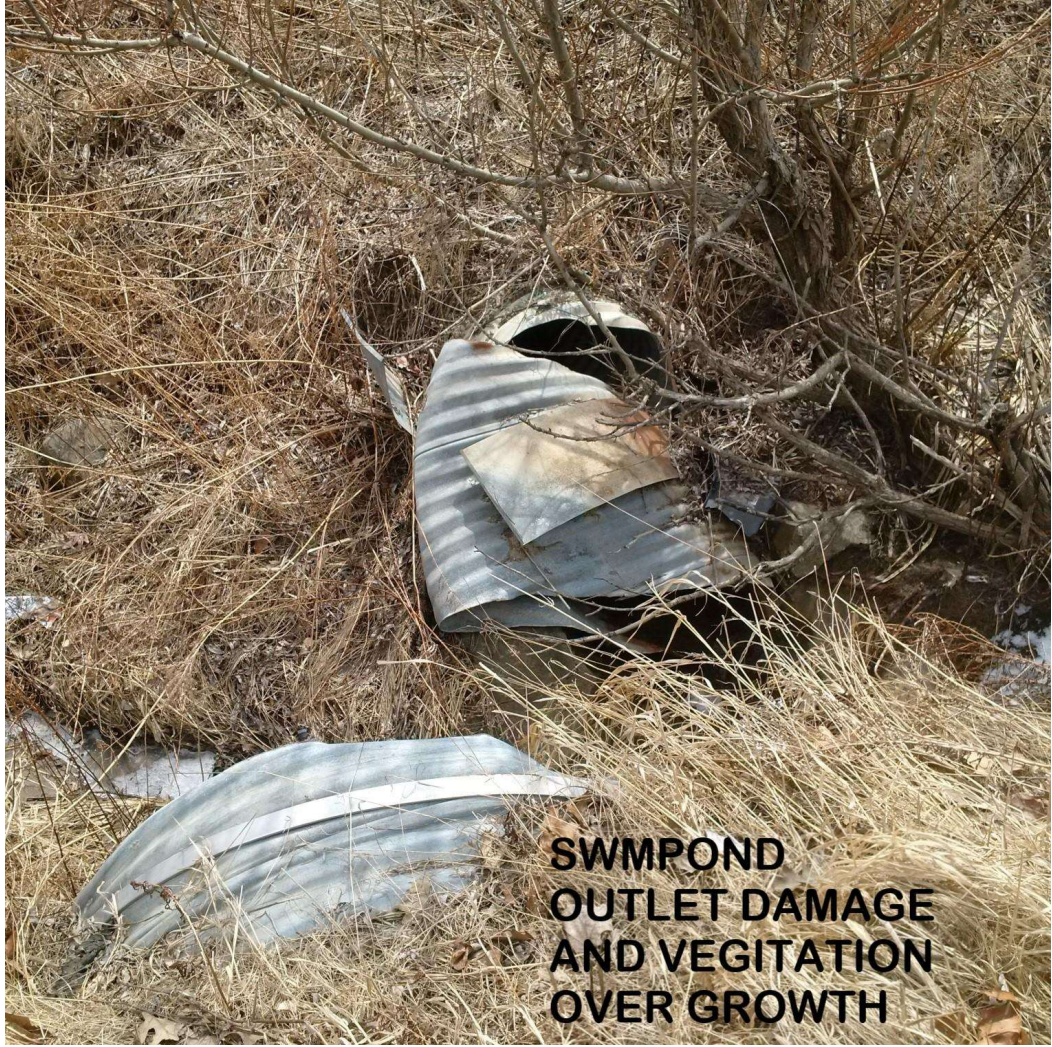
	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONSULTING	250,000	250,000						
	250,000	250,000						
<b>Expenditures Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
Storm Sewers Contribution	250,000	250,000						
	250,000	250,000						
<b>Funding Total</b>	<b>250,000</b>	<b>250,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	42073 Stormwater Pond Maintenance Program - 2019		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

C:\Users\Jim Tree\Desktop\swmp10.jpg



Capital Projects

Project	42073 Stormwater Pond Maintenance Program - 2019		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	42073 Stormwater Pond Maintenance Program - 2019		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	42073 Stormwater Pond Maintenance Program - 2019		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

Project	42073 Stormwater Pond Maintenance Program - 2019		
Department	Operational Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	31177 Recon - Vandorf Sdrd - Monkman Crt - Carisbrooke Cir.		
<b>Department</b>	Planning & Development Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q1 2019 - Q4 2019

**PROJECT DESCRIPTION:**

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

Rehabilitation previously completed on Vandorf Sdrd. did not include the section from Monkman Crt to Carisbrooke Cir. The scope of work for this project is: full depth asphalt reconstruction involving replacement of old asphalt with 75mm HL8 base course asphalt and 50mm HL3 surface course asphalt, 150mm 19mm diameter crusher run limestone road base and 450 50mm crusher run limestone road base, including paved shoulders and permanent durable line painting on Vandorf Sdrd from Monkman Crt to Carisbrooke Cir. This project includes possible urbanization of Vandorf Sdrd from Monkman Crt to Bayview. Vandorf East of Bayview to Vines Place will have its road shoulders paved and possible ditch regrading. The project includes the possible installation of concrete sidewalk which will connect Rickard St and Vines Pl with the Vandorf Sdrd multi-use path.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The project is included in the 10-year capital road rehabilitation plan.

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

The Roads R & R program approved a standard Pavement Quality Index (PQI) of 65 to ensure self- sufficiency and allow the Town to maintain its roads assets in perpetuity.

**PROJECT BENEFITS:**

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

The reconstruction of these sections of Vandorf Sideroad should lessen maintenance activities.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

If the project is not approved now, the average PQI of 65 for the Town's road system will not be maintained.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONSULTING	100,000	100,000						
CONTRACTS	900,000	900,000						
	1,000,000	1,000,000						
<b>Expenditures Total</b>	<b>1,000,000</b>	<b>1,000,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
RDS/SDWLKS/ST LGTS R&R	950,000	950,000						
Storm Sewers Contribution	50,000	50,000						
	1,000,000	1,000,000						
<b>Funding Total</b>	<b>1,000,000</b>	<b>1,000,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	31177 Recon - Vandorf Sdrd - Monkman Crt - Carisbrooke Cir.		
Department	Planning & Development Services		
Version	Draft 1	Year	2019

Gallery

Q:\\_Departments\_space\Works\Capital Projects\CP 31177 - Vandorf Sideroad\CP\_31177.jpg

**PROJECT 31177**

Archerhill Crt

BAYVIEW AVENUE

VANDORF SIDEROAD

VANDORF SIDEROAD

Monkman Crt

Vines Pl

Carisbrooke Cir

Longthorpe Crt

0 25 50 Metres

Vandorf Sideroad - Photo #1

Vandorf Sideroad - Photo #2

Vandorf Sideroad - 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.

Capital Projects

<b>Project</b>	31178 Reconstruction of Poplar Crescent		
<b>Department</b>	Planning & Development Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q2 2019 - Q4 2020

**PROJECT DESCRIPTION:**

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 reconstruction in 2020. 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.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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.

**PROJECT BENEFITS:**

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.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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.

**Budget**

	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONSULTING	150,000	150,000						
CONTRACTS	1,585,000		1,585,000					
	1,735,000	150,000	1,585,000					
<b>Expenditures Total</b>	<b>1,735,000</b>	<b>150,000</b>	<b>1,585,000</b>					
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
SANI SEWER R&R RES CONT'N	472,600		472,600					
RDS/SDWLKS/ST LGTS R&R	749,000	150,000	599,000					
Storm Sewers Contribution	143,700		143,700					
WATER & SEWER CONTRIBUTION	369,700		369,700					
	1,735,000	150,000	1,585,000					
<b>Funding Total</b>	<b>1,735,000</b>	<b>150,000</b>	<b>1,585,000</b>					
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	31178 Reconstruction of Poplar Crescent		
Department	Planning & Development Services		
Version	Draft 1	Year	2019

Gallery

Q:\\_Departments\_space\Works\Capital Projects\CP 31178 - Poplar Crescent\CP\_31178.jpg



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.

Capital Projects

<b>Project</b>	42066 Damaged Storm Pipe off Henderson Dr		
<b>Department</b>	Planning & Development Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Phase 1 will be delivered in partnership with the Region of York in 2018 and 2019. The second phase in 2020.

**PROJECT DESCRIPTION:**

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 370m of storm sewer from Yonge Street through the "Metro Plaza" at 1 Henderson Drive and onto Poplar Crescent including approx. 250m of road on Poplar Crescent). The project will be delivered in 2 parts: Part 1 - design work and contract documents preparation, to be delivered in 2018/2019 in partnership with the Region and Part 2 - construction to be delivered in 2019 on Yonge Street by the Region of York.

The Town's cost share of \$960,000 for the works on Yonge Street will put additional flow through the storm sewer on Henderson.

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

The repair of a sink hole on Yonge Street and replacing approx 470m of 900mm storm sewer and reconstruction of 250m of road on Poplar Crescent due to the storm sewer replacement. Re-routing of approx. 120m of 900mm diameter concrete storm sewer and abandon the old sewer partially located under the plaza.. 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, restore road on Poplar Cres, legal costs related to obtaining an easement in the Town's favour and easement registration costs.

**PROJECT BENEFITS:**

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.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

By undertaking this project, the Town will provide better maintenance and ensure the sewer infrastructure is in good condition.

**Budget**

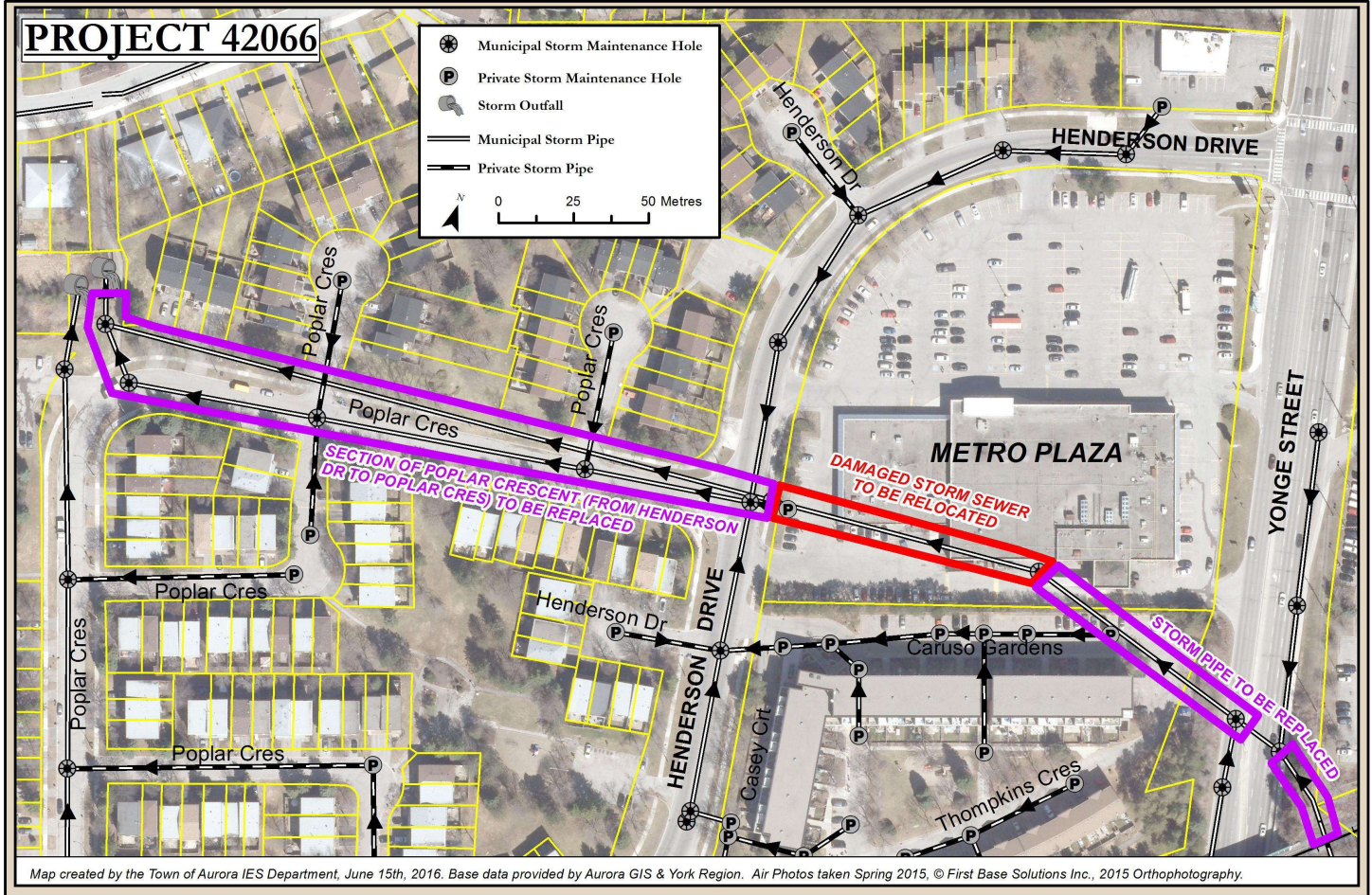
	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	960,000	960,000						
	960,000	960,000						
<b>Expenditures Total</b>	<b>960,000</b>	<b>960,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
Storm Sewers Contribution	960,000	960,000						
	960,000	960,000						
<b>Funding Total</b>	<b>960,000</b>	<b>960,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	42066 Damaged Storm Pipe off Henderson Dr		
Department	Planning & Development Services		
Version	Draft 1	Year	2019

Gallery

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Capital Projects

<b>Project</b>	42067 Storm Outfall Erosion at Mill Street		
<b>Department</b>	Planning & Development Services		
<b>Version</b>	Draft 1	<b>Year</b>	2019

**Description**

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

Q4 2017 to Q4 2019: 2018 - design and 2019 - construction

**PROJECT DESCRIPTION:**

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

To provide funding to address the creek erosion and the failing gabion wall at the storm outlet on Mill Street. The project will be delivered in 2 parts: part 1 - design, to take place in 2018 and part 2 - construction to take place in 2019.

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

**PROJECT JUSTIFICATION/CAPITAL SERVICE LEVEL IMPACT:**

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

This project involves reconstruction of the gabion retaining wall to address the creek erosion at the storm outlet on Mill Street.

**PROJECT BENEFITS:**

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

Rebuild the gabion retaining wall that is failing and address the creek erosion issue at the storm outlet on Mill Street.

**IMPACT TO THE ORGANIZATION IF THE PROJECT WAS NOT APPROVED:**

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

Creek erosion and possible Town liability

**Budget**

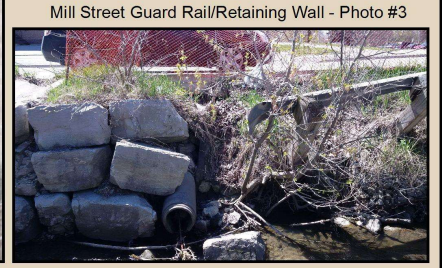
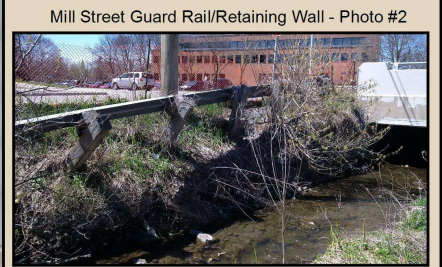
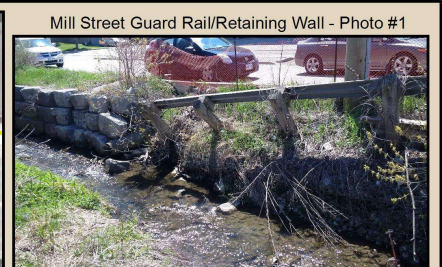
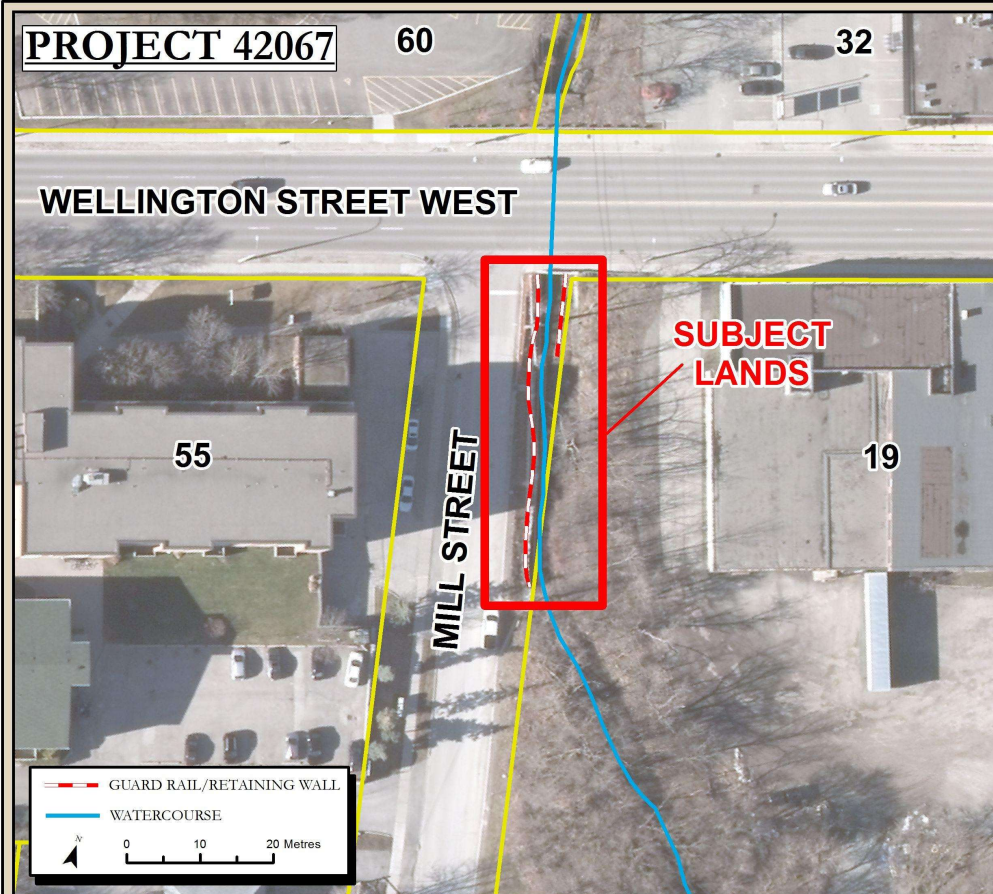
	Total	2019	2020	2021	2022	2023	2024	Future
<b>Expenditures</b>								
<b>Estimated Expenditures</b>								
CONTRACTS	150,000	150,000						
	150,000	150,000						
<b>Expenditures Total</b>	<b>150,000</b>	<b>150,000</b>						
<b>Funding</b>								
<b>Infrastructure Sustainability Reserves</b>								
Storm Sewers Contribution	150,000	150,000						
	150,000	150,000						
<b>Funding Total</b>	<b>150,000</b>	<b>150,000</b>						
<b>Total Over (Under) Funded</b>								

Capital Projects

Project	42067 Storm Outfall Erosion at Mill Street		
Department	Planning & Development Services		
Version	Draft 1	Year	2019

Gallery

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Map created by the Town of Aurora Infrastructure & Environmental Services Department, June 28th, 2017. Base data provided by Aurora GIS & York Region. Air Photos taken Spring 2016, © First Base Solutions Inc., 2016 Orthophotography.