



STAFF REPORT
Finance

Title: Early Approval of Capital Projects
Report Number: CORP2019-080
Author: Julie Koppeser
Meeting Type: Finance & Strategic Planning Committee Meeting
Council/Committee Date: November 18, 2019
File: N/A
Attachments: Appendix A – Project Sheets
Ward No.: City-wide

Recommendations:

1. That Council approve report CORP2019-080.
2. That Council approve:
 - a. That the 2020 non-routine project, Environment & Parks Services-Waterloo Park Lake Frontage Reconstruction (ref 251), totaling \$2,339,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That staff return with a report prior to February 10, 2020 to request the release of funds for the Waterloo Park Lake Frontage Reconstruction project.
3. That Council approve:
 - a. That the 2020 non-routine project, Facilities Design & Management-Green Building Policy Implementation (ref 271), totaling \$892,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That staff return with a report prior to February 10, 2020 to request the release of funds for the Green Building Policy Implementation project.
4. That Council approve:
 - a. That the 2020 routine project, Facilities Design & Management-Corporate Space Planning (ref 279), totaling \$2,071,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That the funding for Corporate Space Planning be released on January 1, 2020.
5. That Council approve:
 - a. That the 2020 routine project, Information Management & Technology Services-Desktop and Laptop Refresh (ref 444), totaling \$722,000, be

- included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
- b. That the funding for Desktop and Laptop Refresh be released on January 1, 2020.
6. That Council approve:
 - a. That the 2020 routine project, Information Management & Technology Services-Server and Server Hardware Replacement & Upgrades (ref 450), totaling \$285,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That the funding for Server and Server Hardware Replacement & Upgrades be released on January 1, 2020.
 7. That Council approve:
 - a. That the 2020 routine project, City Utilities-Laurel Creek Functional Study and Implementation-Regina to Weber (ref 542), totaling \$1,023,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That the funding for Laurel Creek Functional Study and Implementation-Regina to Weber be released on January 1, 2020.
 8. That Council approve:
 - a. That the 2020 routine project, Planning-Community Benefits Charge Implementation (ref 636), totaling \$157,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That the funding for Community Benefits Charge Implementation be released on January 1, 2020.
 9. That Council approve:
 - a. That the 2020 non-routine project, Transportation Services-Union Street-King Street to Moore Avenue (ref 687), totaling \$155,000, be included in the 2020 Capital Budget prior to the passing of the 2020-2022 Capital Budget and 2023-2029 Capital Forecast on February 10, 2020.
 - b. That staff return with a report prior to February 10, 2020 to request the release of funds for the Union Street-King Street to Moore Avenue project.

A. Executive Summary

The 2020-2022 Proposed Capital Budget is currently scheduled to be brought forward to Council for approval on February 10, 2020. Staff is requesting approval of eight projects to be included in the 2020 Capital Budget prior to that date, in advance of the overall approval process. These are projects that have been identified as having important timelines, and as such are required to commence between January 1, 2020 and February 10, 2020. The list of projects requesting early approval is summarized in Table 1. Further details surrounding the projects can be found on the capital project sheets on the final page of this report.

Table 1: Funding Summary by Project (rounded)

REF	Service Delivery Division	Project Description	Source	2020	Early Request
251	Environment And Parks Services	Waterloo Park Lake Frontage Reconstruction	PUB-Gen	\$ 2,339,000	\$ 2,339,000
271	Facilities Design & Management	Green Building Policy Implementation	CRF	\$ 892,000	\$ 892,000
279	Facilities Design & Management	Corporate Space Planning	CIRRF	\$ 1,232,000	
			CRF	\$ 750,000	
			EMPDV	\$ 89,000	
					\$ 2,071,000
444	Information Management & Technology	Desktop and Laptop Refresh	CIRRF	\$ 620,000	
			WAT	\$ 25,000	
			SEW	\$ 25,000	
			SWM	\$ 12,000	
			BLD	\$ 15,000	
			PKG	\$ 6,000	
			CEM	\$ 10,000	
			BUS	\$ 2,000	
			RHR	\$ 7,000	
					\$ 722,000
450	Information Management & Technology	Server and Server Hardware Replacement & Upgrades	CIRRF	\$ 285,000	\$ 285,000
542	City Utilities	Laurel Creek Functional Study and Implementation-Regina to Weber	SWM	\$ 205,000	
			DC	\$ 818,000	
					\$ 1,023,000
636	Planning	Community Benefits Charge Implementation	DC	\$ 141,000	
			CRF	\$ 16,000	
					\$ 157,000
687	Transportation Services	Union Street-King Street to Moore Avenue	CIRRF	\$ 44,000	
			CRF	\$ 28,000	
			DC	\$ 54,000	
			WAT	\$ 9,000	
			SEW	\$ 11,000	
			SWM	\$ 9,000	
					\$ 155,000
Grand Total					\$ 7,644,000

By approving the recommendations outlined in this report Corporate Space Planning, Desktop and Laptop Refresh, Server and Server Hardware Replacement & Upgrades, Laurel Creek Functional Study and Implementation, and Community Benefits Charge Implementation, projects with the Routine classification, would receive the budgeted funding on January 1, 2020.

Also with this approval the Waterloo Park Lake Frontage Reconstruction, Green Building Policy Implementation, and the Union Street projects, classified as Non-routine, would be able to return to Council before February 10, 2020 to provide additional project information and to request the release of funding.

Early approval therefore allows all eight of these projects to move forward as needed prior to Budget Day.

B. Financial Implications

The full 2020-2022 Proposed Capital Budget and 2020-2029 Proposed Capital Forecast is scheduled to be brought forward for Council's initial consideration on February 3, 2020, with budget approval day targeted for February 10, 2020.

The Early Capital Approval process is one that is undertaken each budget cycle. It identifies projects with needs that fall outside of the budget approval schedule, and presents these needs for Council consideration in advance of the full budget. In advance of the 2019 Budget approval, Council approved \$949,000. Prior to the 2016-2018 Budget approval, Council approved \$313,000 in early capital projects. Preceding the 2015 Budget approval, \$4.6 million in early capital was approved.

Table 2: Historical Early Capital Approvals

Budget Year(S)	# of projects	Early Request
2019	2	\$ 949,000
2016-2018	4	\$ 313,000
2015	10	\$ 4,626,000

The total budget of the projects requesting early approval for the 2020-2022 cycle is \$7,644,000 to be funded as shown in Table 1:

- \$2,339,000 Parkland Dedication Reserve Fund
- \$2,181,000 Capital Infrastructure Reinvestment Reserve Fund
- \$1,686,000 Capital Reserve Fund
- \$1,013,000 Development Charges Reserve Funds
- \$226,000 Stormwater Utility Reserve
- \$89,000 Employee Development and Capacity Building Reserve
- \$36,000 Sanitary Sewer Utility Capital Reserve
- \$34,000 Water Utility Capital Reserve
- \$15,000 Building Permits Reserve Fund
- \$10,000 Cemetery Reserve Fund
- \$7,000 Rental Housing Reserve
- \$6,000 Parking Reserve Fund
- \$2,000 Comprehensive Business Licensing Reserve

C. Technology Implications

None.

D. Link to Strategic Plan

(Strategic Objectives: Equity, Inclusion and a Sense of Belonging; Sustainability and the Environment; Safe, Sustainable Transportation; Healthy Community & Resilient Neighbourhoods; Infrastructure Renewal; Economic Growth & Development)

(Guiding Principles: Equity and Inclusion; Sustainability; Fiscal Responsibility; Healthy and Safe Workplace; Effective Engagement; Personal Leadership; Service Excellence)

Fiscal Responsibility.

E. Previous Reports on this Topic

CORP2018-077, CORP2015-114, CORP2014-080

F. Approvals

Name	Signature	Date
Author: Julie Koppeser		
Director: Filipa Reynolds		
Commissioner: Keshwer Patel		
Finance: Keshwer Patel		

CAO



Early Approval of Capital Projects
CORP2019-080

Projects Requiring Early Capital Approval

As per report CORP2015-047 – 2016-2018 Budget Strategy Report, Council approved that the following criteria would be used to assist in the decision making of identifying which projects would need to return to Council after budget approval, to request final approval and secure the necessary funding prior to any expenditures being incurred:

- Financial Materiality
- High Public/Council Interest
- Request by Council

Projects that fall outside of these criteria, typically projects that are more routine in nature, will be recommended for funding release upon approval of the budget.

Council will have the opportunity to review and/or change the classification of projects classified as Routine in the 2020-2022 Proposed Capital Budget and 2023-2029 Proposed Capital Forecast on February 3, 2020, prior to Budget Day on February 10, 2020. All projects, regardless of budget value, are required to follow the Purchasing By-law and if necessary, will return to Council for contract awards as appropriate.

The eight projects requesting early capital approval are:

- Waterloo Park Lake Frontage Reconstruction (Ref #251 – 2020 Proposed Capital Budget)

This project will provide rehabilitation and upgrades to the east side of Waterloo Park as required in response to the outcomes of the Silver Lake and Laurel Creek EA. Early approval is requested so that the tender can be awarded in time for construction to start in January. The 2020 project budget is \$2,339,000 funded from the Parkland Dedication Reserve Fund.

- Green Building Policy Implementation (Ref #271 – 2020 Proposed Capital Budget)

This project will aid in the installation of a PV array along with the roof replacement at WMRC, a time sensitive collaborative effort. In addition, there are a number of new projects that are waiting for the protocols and standards to be established to support the Council approved Green Building Policy. Prescriptive performance tests will become part of the post construction

requirements to be met by consultants and contractors, and the early release of these funds will ensure that these standards and protocols can be established and in place prior to the commencement of new and existing facilities projects (architectural, mechanical and electrical). The 2020 project budget is \$892,000, funded from the Capital Reserve Fund.

- Corporate Space Planning (Ref #279 – 2020 Proposed Capital Budget)

The need for early release of funds is to ensure appropriate planning for time sensitive construction work at City Hall. One of the key initiatives is the renovation of the Council Chambers and the Erb Room. All functional areas within these spaces must be completed before the end of 2021 to allow for election preparation work for 2022. In addition, construction activities will need to be coordinated to take advantage of Council summer break to minimize disruption of Council meetings. The early release of funds will allow for the commencement of design and procurement work, as well as advanced planning to ensure that disruption due to construction activities in Council Chambers, as well as other areas of City Hall, can be minimized. The 2020 project budget is \$2,071,000, funded from the Capital Infrastructure Reinvestment Reserve Fund, the Capital Reserve Fund, and the Employee Development and Capacity Building Reserve.

- Desktop and Laptop Refresh (Ref #444 – 2020 Proposed Capital Budget)

This project is requesting early approval due to significant delays anticipated in procuring laptops. IMTS is undergoing a refresh of desktops and laptops as scheduled. Although there exists sufficient funding in 2019 for the desktop refresh, IMTS has received advance notification from the supplier regarding a looming Intel processor shortage that will affect all computer suppliers. Due to this processor shortage, the laptop refresh will be delayed by 3 months or more, resulting in laptops being received likely towards the latter half of 2020. To avoid this, staff is requesting early approval to move the project forward as quickly as possible. The 2020 project budget is \$722,000, funded from the Capital Infrastructure Reinvestment Reserve Fund, and enterprise reserves

- Server and Server Hardware Replacement & Upgrades (Ref #450 – 2020 Proposed Capital Budget)

This project is requesting early approval due to significant efficiencies that can be gained by fully implementing the latest version of OpenText in coordination with the laptop refresh. Procuring these servers will allow for the full upgrade to the latest version of OpenText, and the installation of the latest version as part of the desktop & laptop refresh, eliminating the need to reinstall OpenText on all the newly refreshed desktops and laptops. The additional disk space is needed as the OpenText project has more than doubled the corporate storage requirements and the OpenText servers will need to be replaced as they reach end of support.

The servers will be replaced in conformance with new requirements associated with the new version of OpenText being implemented. The 2020 project budget is \$285,000, funded from the Capital Infrastructure Reinvestment Reserve Fund.

- Laurel Creek Functional Study and Implementation-Regina to Weber (Ref #542 – 2020 Proposed Capital Budget)

Laurel Creek from Regina to Weber Street flows through a highly urbanized area of the City of Waterloo. The Creek has historically been straightened and subject to intense uncontrolled storm flows. Due to these impacts Laurel Creek is experiencing bank erosion and down cutting which is placing structures at risk. Early approval is requested so that the tender to construct remediation measures can be awarded in time for construction to start in January, when flows are low. The 2020 project budget is \$1,023,000 funded from Development Charges and the Capital Reserve Fund.

- Community Benefits Charge Implementation (Ref #656 – 2020 Proposed Capital Budget)

Bill 108 will have a significant impact on how the City collects development charges for discounted (soft) services, in addition to parkland dedication/cash in lieu and section 37 provisions of the Planning Act for increased density applications. With Bill 108's proposed deadline date of January 1, 2021 for migration to a Community Benefits Charge (CBC), the City will need to begin work as soon as possible on developing a framework for the transition. The 2020 project budget is \$157,000, funded from Development Charges and the Capital Reserve Fund.

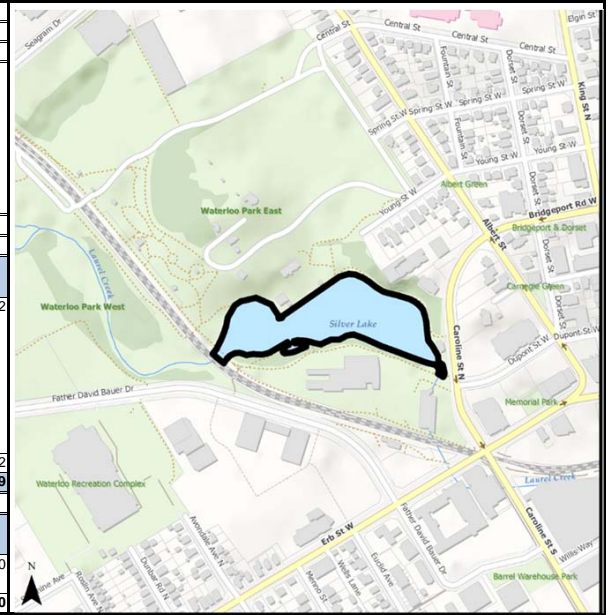
- Union Street-King Street to Moore Avenue (Ref #687 – 2020 Proposed Capital Budget)

Reconstruction of Union Street has been identified by the pavement management system, and includes sanitary, watermain, and storm sewer upgrades, additional bike lanes, and a pedestrian crossing. Early approval is required so that engineering consulting services can be procured by January to keep the project design on schedule through 2020. The 2020 project budget is \$155,000, funded from Development Charges, Capital Infrastructure Reinvestment Reserve Fund, Capital Reserve Fund, and the Utility reserves.

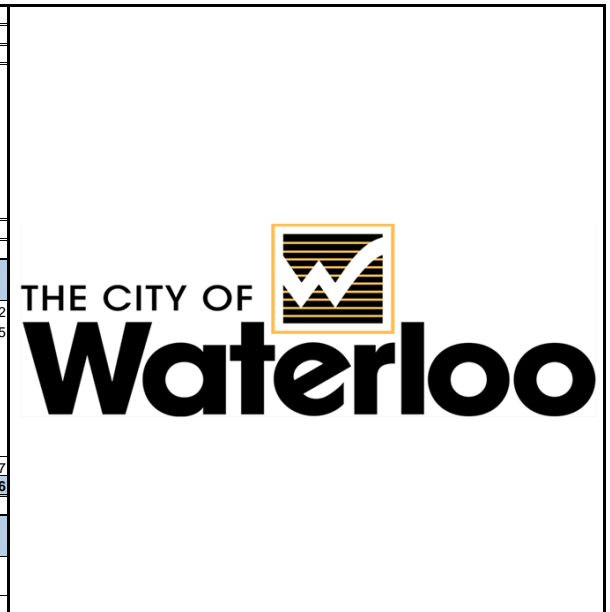
Summary

The Early Capital Approval process is undertaken each budget cycle to identify projects with needs that fall outside of the budget approval schedule, and present these needs for Council consideration in advance of the full budget. With early approval, these eight projects will be able to move forward as needed prior to Budget Day. The balance of the budget will be brought forward to Council for consideration in February.

PROJECT		251-Waterloo Park Lake Frontage Reconstruction					ID#		PSOFT #		190001	
STRATEGIC PLAN LINK:		Infrastructure Renewal					TYPE:		Rehabilitation			
THEME:		Park Rehabilitation / Upgrade			WARD:		Ward 7 - Uptown					
Rehabilitation/Upgrades to the east side of Waterloo Park as required in response to the outcomes of the Silver Lake and Laurel Creek EA. Expected needs include decommissioning/demolition of Lions' Lagoon including the associated buildings, design/reinstatement of the shoreline area and design/construction of a new public gathering area along the reconfigured shoreline.												
SERVICE DELIVERY DIVISION:		COMM-Environment & Parks					IMPLEMENTATION DIVISION:		IPPW-Engineering			
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
PUB-GEN	2,272										2,272	
TOTAL	2,272										2,272	
INFLATED	2,339										2,339	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME		50									50	
TOTAL		50									50	



PROJECT		271-Green Building Policy Implementation					ID#		PSOFT #			
STRATEGIC PLAN LINK:		Sustainability and the Environment					TYPE:		Other			
THEME:		Energy Management			WARD:		City Wide					
The City of Waterloo is committed to being a leader in demonstrating how the community can achieve GHG reduction, specifically, by striving for a community scope GHG emissions reduction target of 80% below 2010 levels by 2050. With this vision, the City intends to strive for a similar reduction target for City-owned buildings. To achieve this target, over the next 10 years City-owned buildings will be retrofitted / renovated with energy upgrades and green initiatives to reduce GHG. This funding will be used to initiate GHG reduction strategies in existing City facilities. Currently WMRC, AMCC and WCH are under investigation for potential GHG reduction strategies, however more buildings will be assessed for potential GHG reductions later this year. Note: The money spent through this project shall be quantifiable at the end through annual GHG and energy conservation reports. Co-op Student: this project would also require a coop student position, to help organize/coordinate the expected work. \$80K is expected for this position.												
SERVICE DELIVERY DIVISION:		COMM-Fac.Design & Mgmt					IMPLEMENTATION DIVISION:		COMM-Fac.Design & Mgmt			
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)	866	500	403			177	522	427	586		3,482	
CIRRF (Rehab/Repl)			207	139							345	
TOTAL	866	500	610	139		177	522	427	586		3,827	
INFLATED	892	530	665	150		200	600	500	700		4,236	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	279-Corporate Space Planning					ID#		PSOFT #	140162			
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Strategic					
THEME:	Facility Refurbishment					WARD:	City Wide					
<p>Corporate Space Planning funding is allocated for workspace renovations that benefit the City of Waterloo for, a) service delivery efficiencies, b) functional work spaces that meet current standards.</p> <p>The 3-year budget allocations will fund the priority space renovation updates to City Hall and RIM Park. Funding to be used as follows:</p> <p>2020 allocate \$2,071,000 to: a) Move Advanis to Sapphire space b) Renovate Advanis space for new tenant c) Renovate Hicks Morley space for new tenant d) Decommission IMTS space at City Hall for future use e) Move asset management from AMCC to City Hall f) Council Chambers and Erb meeting room upgrades</p> <p>2021 allocate \$1,161,000 to: a) Council Chambers and Erb meeting room upgrades b) WSC expansion for more staff space.</p> <p>2022 allocate \$695,000 to: a) WSC expansion.</p> <p>Remaining funds after 2022 will be allocated for WMRC upgrades and phase 2 City hall upgrades.</p>												
SERVICE DELIVERY DIVISION:	COMM-Fac.Design & Mgmt					IMPLEMENTATION DIVISION:	COMM-Fac.Design & Mgmt					
REPORTING CRITERIA:	Routine					All figures in \$'000s						
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)	729	663									1,392	
EMPDV	86	88	90	85	82	78	76	73	71	71	801	
CIRRF (Rehab/Repl)	1,197	344	548		50						2,139	
TOTAL	2,012	1,096	638	85	132	78	76	73	71	71	4,332	
INFLATED	2,071	1,161	695	92	146	88	88	86	85	87	4,599	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



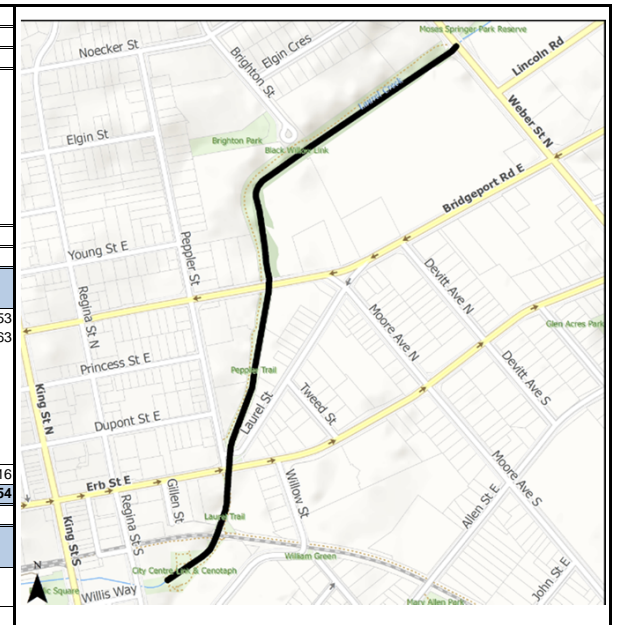
PROJECT	444-Desktop and Laptop Refresh					ID#	P01369	PSOFT #	180013			
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation					
THEME:	Equipment Replacement					WARD:	City Wide					
<p>The replacing (refreshing) of desktops, laptops and monitors for the corporation has traditionally resulted in significant cost and technology challenges. Within months of previous refreshes, technology is no longer supported as new versions of software and hardware become mandatory. The industry has responded to the growing demands of clients for more cost-effective solutions through the shift to virtualization. The virtualization project was conceptualized in 2016 with primary site server integration in 2016/17. A number of end user terminals are in the testing phase.</p> <p>Approximately 240 desktops, 185 laptops and 100 terminals require refreshing over the next three years. Deployment will begin in 2018.</p> <p>Monitors continue to be replaced as units fail.</p>												
SERVICE DELIVERY DIVISION:	CORP-Information Mgmt & Tech.					IMPLEMENTATION DIVISION:	CORP-Information Mgmt & Tech.					
REPORTING CRITERIA:	Routine					All figures in \$'000s						
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)	602		53		425	50	56	62	72	50	1,370	
WAT-CAP	60		5		43	5	6	6	7	5	137	
BLD	15		1		10	1	1	2	2	1	34	
PKG	6		1		4		1	1	1	1	13	
CEM	10		1		7	1	1	1	1	1	22	
BUS	2				2			1			4	
RHR	7		1		5	1	1	1	1	1	16	
TOTAL	702		61		496	58	66	73	84	58	1,596	
INFLATED	722		67		547	65	75	85	100	71	1,732	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	450-Server and Server Hardware Replacement & Upgrades					ID#	P01373	PSOFT #	120031		
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation				
THEME:	Equipment Replacement					WARD:	City Wide				
<p>This project allows for the replacement and upgrades of corporate enterprise servers as they reach end of life and end of service. Additional disk storage and faster processing capabilities are regularly required to support growing departmental requirements in the services they provide to constituents.</p> <p>In 2019 a server hardware upgrade of additional shelves is required for the storage area network (SAN). Additional disk space is needed as the OpenText project has more than doubled the corporate storage requirements. In 2020 the OpenText servers will need to be replaced as they reach end of support. The servers will be replaced in conformance with new requirements associated with the new version of OpenText being implemented in 2019/2020.</p>											
SERVICE DELIVERY DIVISION:	CORP-Information Mgmt & Tech.					IMPLEMENTATION DIVISION:	CORP-Information Mgmt & Tech.				
REPORTING CRITERIA:	Routine					All figures in \$'000s					
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CIRRF (Rehab/Repl)	277	26	60	86		86		86		86	707
WAT-CAP		3	6	9		9		9		9	43
BLD		1	2	2		2		2		2	11
PKG			1	1		1		1		1	4
CEM			1	1		1		1		1	7
BUS			1	1		1		1		1	1
RHR			1	1		1		1		1	5
TOTAL	277	29	71	101		100		101		100	778
INFLATED	285	31	77	109		113		118		122	854
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	542-Laurel Creek Functional Study & Implementation - Regina to Weber					ID#	P01154	PSOFT #	180021		
STRATEGIC PLAN LINK:	Sustainability and the Environment					TYPE:	Growth/Rehab Split				
THEME:	Stormwater System Rehab					WARD:	Ward 7 - Uptown				
<p>Laurel Creek from Regina to Weber Street flows through a highly urbanized area of the City of Waterloo. The Creek has historically been straightened and subject to intense uncontrolled storm flows. Due to these impacts Laurel Creek is experiencing bank erosion and downcutting which is placing structures at risk. The purpose of this study is to identify remediation measures for the stream environment. Identified as primary erosion area LRL-E7 in creek erosion MP.</p> <p>DC - 80% All of the Uptown Development flows through here, the increased runoff is causing significant erosion.</p> <p>There is a large trail component running along the entire length of the creek, (also used as a sanitary access path).</p>											
SERVICE DELIVERY DIVISION:	IPPW-City Utilities					IMPLEMENTATION DIVISION:	IPPW-Engineering				
REPORTING CRITERIA:	Routine					All figures in \$'000s					
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
DC	795	1,458									2,253
SWM	199	364									563
TOTAL	994	1,822									2,816
INFLATED	1,023	1,931									2,954
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT		636-Community Benefits Charge Implementation					ID#	0		PSOFT #	0	
STRATEGIC PLAN LINK:		Supporting the Strategic Plan Guiding Principles					TYPE:	Growth				
THEME:		Studies					WARD:	City Wide				
If approved, the proposed changes to Provincial Legislation will result in a need to prepare a Community Benefits Charge Strategy and Implementation By-law. It is anticipated that some consultant advice will be required to support this.												
SERVICE DELIVERY DIVISION:		IPPW-Planning					IMPLEMENTATION DIVISION:		IPPW-Planning			
REPORTING CRITERIA:		Routine					All figures in \$'000s					
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)	15										15	
DC	137										137	
TOTAL	152										152	
INFLATED	157										157	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT		687-Union St - King St to Moore Ave					ID#	P01105		PSOFT #	190042	
STRATEGIC PLAN LINK:		Infrastructure Renewal					TYPE:	Growth/Rehab Split				
THEME:		Road Reconstruction					WARD:	Ward 7 - Uptown				
Reconstruction of Union St. has been identified by the City's Pavement Management System. Includes estimates for sanitary, watermain & storm sewer upgrades. Uptown Study Cluster #75 identified a High Priority project, Sanitary & Storm are under-sized between Willow & Moore. Transportation Master Plan Study identified the need for the addition of bike lanes.												
Note: Ped crossing near the Tracks is also required. The Region will contribute funds for oversizing of the Storm on Union. Project# 07537 DC is for Active Transportation Items 100% of new bike lane & 50% of Land Acquisition & 50% of Pedestrian Crossing 34% of Water, 34% of Sanitary & 49% of Storm under 600mm & 93% of Storm greater than 600mm												
SERVICE DELIVERY DIVISION:		IPPW-Transportation					IMPLEMENTATION DIVISION:		IPPW-Engineering			
REPORTING CRITERIA:		Non-Routine					All figures in \$'000s					
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
DC	53	2,464									2,517	
CIRRF (Rehab/Repl)	42	1,595	154								1,791	
WAT-CAP	9	388									397	
SEW-CAP	11	458									468	
SWM	9	185									194	
CRF (New)	27	1,093									1,120	
TOTAL	152	6,182	154								6,487	
INFLATED	156	6,551	168								6,875	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING				1							1	
ONE TIME												
TOTAL				1							1	

