



STAFF REPORT
Finance

Title: Routine Capital Projects
Report Number: CORP2020-001
Author: Julie Koppeser
Meeting Type: Finance & Strategic Planning Committee Meeting
Council/Committee Date: February 3, 2020
File: N/A
Attachments: Appendix A-E 2020-2022 Routine Projects Listing by Department
Appendix F 2020-2022 Non-Routine Projects with Actionable Operating Impacts
Ward No.: City-wide

Recommendation:

1. That Council approve report CORP2020-001.
2. That Council approve that the Asset Management project listed in Appendix A be classified as Routine, and that this project be considered for budget approval on February 10, 2020.
3. That Council approve that the Economic Development projects listed in Appendix A be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
4. That Council approve that the Strategic Initiatives projects listed in Appendix A be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
5. That Council approve that the Library projects listed in Appendix B be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
6. That Council approve that the Finance projects listed in Appendix C be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
7. That Council approve that the Fleet & Procurement Services project listed in Appendix C be classified as Routine, and that this project be considered for budget approval on February 10, 2020.
8. That Council approve that the Human Resources projects listed in Appendix C be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.

9. That Council approve that the Information Management and Technology Services projects listed in Appendix C be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
10. That Council approve that the Legislative Services project listed in Appendix C be classified as Routine, and that this project be considered for budget approval on February 10, 2020.
11. That Council approve that the Community Programming and Outreach Services projects listed in Appendix D be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
12. That Council approve that the Environment and Parks Services projects, including Cemetery projects, listed in Appendix D be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
13. That Council approve that the Facilities Design and Management Services projects listed in Appendix D be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
14. That Council approve that the Fire Rescue Services projects listed in Appendix D be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
15. That Council approve that the Municipal Enforcement project listed in Appendix D be classified as Routine, and that this project be considered for budget approval on February 10, 2020.
16. That Council approve that the Recreation Services projects listed in Appendix D be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
17. That Council approve that the Building Standards projects listed in Appendix E be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
18. That Council approve that the City Utilities projects, including Sanitary Sewer, Stormwater, and Water projects, listed in Appendix E be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
19. That Council approve that the Engineering Services projects, including Other, Parks, Sanitary and Water listed in Appendix E be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
20. That Council approve that the Planning projects listed in Appendix E be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.
21. That Council approve that the Transportation projects listed in Appendix E be classified as Routine, and that these projects be considered for budget approval on February 10, 2020.

A. Executive Summary

On February 3, 2020, Council will be meeting to discuss the 2020-2022 Proposed Capital Budget and 2023-2029 Capital Forecast. Council will not be considering the capital budget for approval on this day, but will instead review and approve the Routine project classification listing, and have the opportunity to discuss individual capital projects and ask questions of staff.

The reporting criteria that would require a capital project to be classified as Non-Routine, and to return to Council prior to commencement for specific approval and funding release, were approved in 2015 via the Budget Strategy report CORP2015-047.

The criteria are:

- Financial Materiality (Projects greater than \$5M for a 3 year budget)
- High Public/Council Interest
- Request by Council

Capital projects that do not fall under one of these criteria are considered Routine projects and would not be required to return to Council for funding release after the budget is approved on February 10, 2020. The 2020-2022 Routine projects are listed in this report, along with the actionable operating impacts tied to the projects, for Council's consideration. For additional information, a listing has also been provided of the 2020-2022 Non-Routine projects with actionable operating impacts.

It is important to note that while Routine projects are not required to return to Council for funding release after approval, all projects are required to follow the Purchasing By-law and to return to Council for contract awards, where necessary and appropriate.

In 2018, Audit Committee recommended that the new financial materiality threshold for the one year capital budget of \$2.5M be reviewed again as part of the next budget process, based on the outcome of Council's Capital Review which took place on February 4, 2019. Based on the outcome of 2019 Capital Day, with Council making no changes to project classifications in relation to the new threshold, Staff recommend maintaining the one year budget threshold as established at \$2.5M.

B. Financial Implications

As shown in Table 1, 201 projects have been identified by staff as Routine projects for the 2020-2022 approval period. The total of these Routine projects is \$117M and represents 40% of the proposed 2020-2022 capital budget expenditures.

Table 1: 2020-2022 Projected Capital Expenditures by Reporting Criteria

Criteria	2020-2022			
	# of Projects	% by # of Projects	Total \$ ('000's)	% of 2020-2022 Budget Dollars
Non-Routine	58	22%	\$176,908	60%
Routine	201	78%	\$117,110	40%
Total Capital Budget	259	100%	\$294,017	100%

The total actionable operating impact of these Routine projects, shown in Table 2 of this report is \$668,000.

Table 2: 2020-2029 Actionable Operating Impact of Capital

Operating Impact of 2020-2022 Proposed Capital-ACTIONABLE	2020-2022			2020-2022 Total	2023-2029							Grand Total
	2020	2021	2022		2023	2024	2025	2026	2027	2028	2029	
Op Imp of projects budgeted in 2020-2022 - ROUTINE	168	136	63	367	35	266						668
Op Imp of projects budgeted in 2020-2022 - NON-ROUTINE		155	366	521	1,047	349						1,917
Actionable Subtotal	168	291	429	888	1,082	615						2,585

As additional information, charts 1 and 2 show the breakout of the Routine and Non-Routine projects for 2020-2022, by funding source type.

Chart 1: 2020-2022 Routine Projects by Funding Source Type

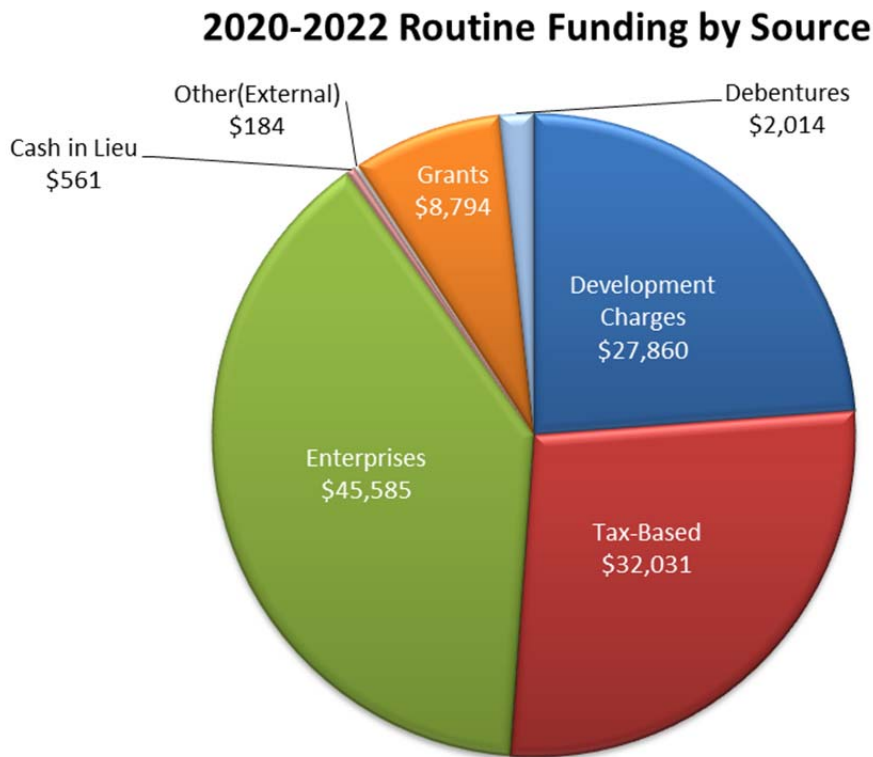
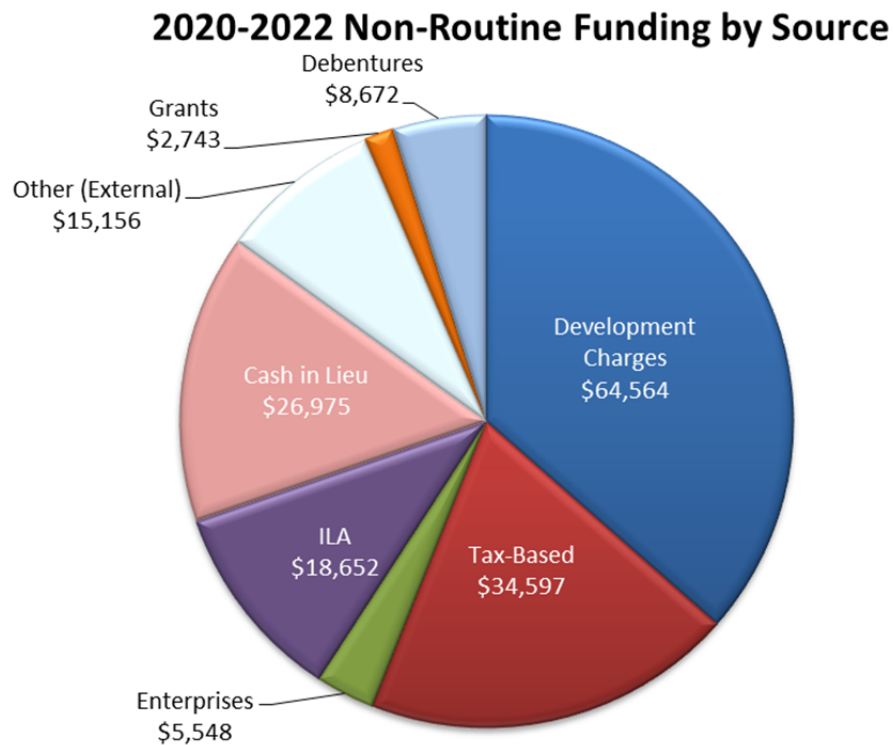


Chart 2: 2020-2022 Non-Routine Projects by Funding Source Type



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

CORP2019-004 Routine Capital Projects

CORP2016-006 Routine Capital Projects

F. Approvals

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

CAO



Routine Capital Projects
CORP2020-001

A detailed listing by department and division of the Routine projects, as well as those that fall under the reporting criteria are included in the capital budget book, beginning on page 21. In addition, a listing of the 2020-2022 Routine projects has been included in the appendices A to E of this report for Council's review and approval.

Also within those appendices, the actionable operating impacts by department, and the 2020-2022 Routine projects the impacts are tied to have been listed. A similar listing of 2020-2022 Non-routine (reporting criteria) projects with actionable operating impacts has also been provided, as Appendix F.

Included below in Table 3 is a summary of the information in the appendices, which includes the total proposed 2020-2022 Routine projects budget by department and total related actionable operating impacts. The same information has also been provided for the 2020-2022 Non-Routine projects with actionable operating impacts in table 4.

Table 3: 2020-2022 Routine Project Summary (\$'000s)

	2020	2021	2022	2023	2024	Total
<u>2020-2022 Routine</u>						
CAO	1,921	1,072	1,236			4,229
Community Services	7,020	4,722	5,816			17,559
Corporate Services	2,957	1,880	2,315			7,152
Integrated Planning & Public Works	39,845	28,608	18,215			86,668
Library	393	441	667			1,502
Total	\$52,137	\$36,723	\$28,250			\$117,110
Actionable Operating Impacts for 2020-2022 Routine Projects	\$168	\$136	\$63	\$35	\$266	\$668

Table 4: Summary of 2020-2022 Non-Routine Projects with Actionable Operating Impacts (\$'000s)

<u>2020-2022 Non-Routine with Actionable Operating Impacts</u>	2020	2021	2022	2023	2024	Total
CAO	23,877	7,826	8,126			39,830
Community Services	9,128	5,819	4,283			19,231
Corporate Services	-	-	-			-
Integrated Planning & Public Works	33,277	31,580	6,028			70,885
Library	-	-	-			-
Total	\$66,283	\$45,225	\$18,438			\$129,946
Actionable Operating Impacts for 2020-2022 Non- Routine	\$	\$155	\$366	\$1,047	\$349	\$1,917

All capital projects included in the listings in the appendices, as well as the remainder of the projects in the proposed capital budget, will be brought forward on Budget Day, February 10, for Council's consideration.

APPENDIX A

CAO Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Asset Mgmt	101	Comprehensive Asset Management Plan	130	134	138	403
Ec Dev	110	Uptown Community Improvement Plan Implementation (CIP)	51	53	55	159
Ec Dev	111	Employment Parks Gateway Improvements		53		53
Ec Dev	112	Festivals & Events Sound System		21		21
Ec Dev	113	Public Art Implementation	154	79	55	288
Ec Dev	115	Public Square Digital Projector & Screen	41			41
Ec Dev	117	Public Square Outdoor Speakers	10			10
Ec Dev	118	Public Square Furnishings and Equipment Replacement	11		12	23
Ec Dev	120	Re-Purposing of the Carnegie Library - Interior	602			602
Ec Dev	122	Industrial Land Account Minor Requests	26	26	27	79
Ec Dev	124	Uptown Parkade - Capital Repairs	102	51	43	196
Ec Dev	127	Uptown Parkade - Painting		70		70
Ec Dev	128	Uptown Parkade Pay and Display Machines		43		43
Ec Dev	130	Dupont Lot Pay and Display Machine	21			21
Ec Dev	131	Dupont Lot Resurfacing	140			140
Ec Dev	133	Parking Lot Rehabilitation	20		22	42
Ec Dev	135	Perimeter Lot Resurfacing			206	206
Ec Dev	136	Station Lot Resurfacing	70			70
Ec Dev	137	Parking Utilization Study	31	32	33	97
Strategic Initiatives	140	CAO's Economic Development Initiatives	15	16	16	48
Strategic Initiatives	141	Grant Opportunities	243	243	243	728
Strategic Initiatives	142	Lean Six Sigma	250	250	250	750
Strategic Initiatives	143	Strategic Plan Renewal			136	136
		Total CAO Routine with 2020-2022 Funding	1,921	1,072	1,236	4,229

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
Ec Dev	113	Public Art Implementation			1	1	1	3
Actionable Total					1	1	1	3

APPENDIX B

LIBRARY Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Library	803	Book Collection	172	180	190	542
Library	804	Library Growth - Non Book Collection	50	52	53	155
Library	805	Job Evaluation			10	10
Library	806	Strategic Plan Implementation		16	75	91
Library	807	Study - Library Technology Study		55		55
Library	808	Computer and Communications Upgrades/Replacements	104	102	109	315
Library	809	Computer Server Replacement	31			31
Library	810	Ontarians with Disabilities Act			11	11
Library	811	Replacement of RFID System	36	37	218	291
		Total Library Routine with 2020-2022 Funding	393	441	667	1,502

No Actionable Library Operating Impacts

APPENDIX C

CORPORATE SERVICES Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Finance	412	DC Bylaw Review			142	142
Finance	413	Peoplesoft Financials & HRMS Upgrades and Enhancements	258	97	173	528
Fleet & Procurement Serv.	420	Fleet Equipment Expansion	617	752	382	1,751
Human Resources	430	Compensation and Pay Equity		69		69
Human Resources	431	Employee Engagement Survey		34		34
Human Resources	432	Health and Safety Audit			22	22
Human Resources	433	Employee Traffic Demand Management Initiatives	35	35	35	105
IMTS	441	Cyber Security	156	160	166	482
IMTS	442	Data Backup Device Upgrades	7	117	55	178
IMTS	443	Data Centres Air Conditioning	123			123
IMTS	444	Desktop and Laptop Refresh **	722		66	789
IMTS	445	Geographical Information Systems (GIS)	20	23	22	65
IMTS	447	Infrastructure Virtualization	200		355	555
IMTS	448	Network and Core Infrastructure		85	88	173
IMTS	449	Print and Mail Services Automation	23		27	50
IMTS	450	Server and Server Hardware Replacement & Upgrades **	285	31	77	393
IMTS	451	Unified Communications including Telephony and Email	58		93	151
IMTS	452	Unplanned Emergency Replacement	72	74	77	222
IMTS	453	WrepNet Equipment Replacement	19	22	21	62
IMTS	454	Technology Disaster Recovery / Business Continuity Plan	116		117	233
IMTS	455	Fibre Network Infrastructure	120			120
IMTS	456	Council Chambers and City Hall Technology			65	65
IMTS	457	End User Computing Requirements	62	64	66	193
IMTS	458	Enterprise Application Backend Support	64		137	201
IMTS	459	Enterprise Application Integration Software			129	129

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

APPENDIX C Cont'd

CORPORATE SERVICES Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Legislative Services	470	OpenText Upgrade Integration		317		317
Total Corporate Services Routine with 2020-2022 Funding			2,957	1,880	2,315	7,152

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
Fleet & Procurement Serv.	420	Fleet Equipment Expansion	50	50	50			150
IMTS	447	Infrastructure Virtualization	82					82
IMTS	455	Fibre Network Infrastructure	31					31
Actionable Total			163	50	50			263

APPENDIX D

COMMUNITY SERVICES Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Comm. Prog. & Outreach	210	Museum Storage Facility			817	817
Comm. Prog. & Outreach	211	Accessibility Facility Upgrades (AODA)	39	74	94	207
Comm. Prog. & Outreach	212	Neighbourhood Strategy Implementation	63	15	15	93
Comm. Prog. & Outreach	213	Truth and Reconciliation Implementation	25			25
Comm. Prog. & Outreach	214	Dedicated Museum Website	68			68
Environment & Parks	220	Forestry and Horticulture Storage Area Improvements	46			46
Environment & Parks	224	Bechtel Park Bridge Removal	61			61
Environment & Parks	227	Pedestrian Bridge Replacements	136	140	145	421
Environment & Parks	234	Roselea Park Playground	87			87
Environment & Parks	239	Artificial Turf Replacement - RIM Park	225		164	389
Environment & Parks	240	Bechtel Park Leash Free Dog Park Improvements	51			51
Environment & Parks	241	Bechtel Park Stadium Rehabilitation	450			450
Environment & Parks	244	Parks Roadway and Multi-Use Pathway Upgrades-City Wide	89		94	182
Environment & Parks	245	Park Shade Structures and Washrooms			164	164
Environment & Parks	246	Park Signage Replacement Program - City wide	11	12	12	35
Environment & Parks	247	Park Upgrades - City wide	149	154	224	527
Environment & Parks	248	Playground Upgrades/Expansion-City Wide	156	161	178	495
Environment & Parks	249	Sportsfield Upgrades - City wide	85	88	91	264
EPS-Cemeteries	261	Parkview Columbarium Features			30	30
EPS-Cemeteries	265	Cemeteries Roadway Resurfacing		64		64

APPENDIX D Cont'd

COMMUNITY SERVICES Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Fac Design & Mgmt Serv.	275	Accessibility and Safety Upgrades at City Facilities	115	118	162	394
Fac Design & Mgmt Serv.	279	Corporate Space Planning **	2,071	1,161	695	3,928
Fac Design & Mgmt Serv.	280	Enterprise Wide Security Upgrades	89	94	98	280
Fac Design & Mgmt Serv.	281	Facility Condition Assessments and Re-Commissioning Services	52	119	175	346
Fac Design & Mgmt Serv.	283	Heritage Buildings Maintenance Plan			400	400
Fac Design & Mgmt Serv.	284	Large Scale Capital Repairs - Program - High Priority	653	869		1,522
Fac Design & Mgmt Serv.	285	RIM Park Parking Lot Replacement			873	873
Fac Design & Mgmt Serv.	286	Roofing Replacement and Rehabilitation - Program	594	265	273	1,132
Fac Design & Mgmt Serv.	287	Small Scale Capital Repairs - High Priority	205	207	171	583
Fac Design & Mgmt Serv.	288	Maximo - Deployment and System Maintenance	163	195	491	849
Fac Design & Mgmt Serv.	289	Maximo - Implementation and Functionality Configuration	68			68
Fire Rescue	302	Personal Protective Equipment	96	128	101	325
Fire Rescue	303	Self-Contained Breathing Apparatus		636		636
Fire Rescue	306	Storage Facility Space	327			327
Fire Rescue	307	Fire Prevention Officer Equipment and Vehicle			49	49
Municipal Enforcement	320	Rental Housing Vehicle Replacement	31			31
Recreation Services	330	Master Plan Implementation	73	85	45	203

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

APPENDIX D Cont'd

COMMUNITY SERVICES Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Recreation Services	331	Facility and Programming Equipment	50	54	57	161
Recreation Services	332	Facility Banquet and Meeting Room Furnishings and Equipment	44	52	56	152
Recreation Services	334	Facility Marquee Sign Purchases, Refurbishing and Replacement	31	32	33	97
Recreation Services	335	Facility Scoreclock Refurbishing and/or Replacements	370			370
Recreation Services	336	Protective Covering for Athletic/Arena Surfaces			111	111
Recreation Services	337	Master Plan and Recreational Trends Study	243			243
		Total Community Services Routine with 2020-2022 Funding	7,020	4,722	5,816	17,559

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
Comm. Prog. & Outreach	210	Museum Storage Facility				5		5
Comm. Prog. & Outreach	212	Neighbourhood Strategy Implementation				1		1
Comm. Prog. & Outreach	214	Dedicated Museum Website	5					5
Environment & Parks	241	Bechtel Park Stadium Rehabilitation		3				3
Environment & Parks	245	Park Shade Structures and Washrooms				3		3
EPS-Cemeteries	261	Parkview Columbarium Features				1		1
Actionable Total			5	3		10		18

APPENDIX E

INTEGRATED PLANNING & PUBLIC WORKS Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Building Standards	501	Technology Upgrades and Refresh	21			21
Building Standards	502	Building Standards Vehicle Replacements	93			93
Building Standards	503	Mobile Solutions	49			49
Building Standards	504	Digital Solutions		717	1,131	1,848
Building Standards	505	Building Permit Fee Review	65			65
City Utilities-Sanitary	510	Sanitary Master Plan Update	303			303
City Utilities-Sanitary	511	City Wide - Development Driven Sanitary Sewer Upgrades	945	112	115	1,172
City Utilities-Sanitary	512	Core Area Development Driven Upgrades-Sanitary	645	161	166	973
City Utilities-Sanitary	513	Extend Sanitary Mains to Service Private Properties		434	447	881
City Utilities-Sanitary	515	Sanitary Access Roads / Paths		201		201
City Utilities-Sanitary	516	Sanitary Sewer Lateral Camera Inspections in conjunction with Roads		85	87	172
City Utilities-Sanitary	518	Black Pipes Rehabilitation - Proactive	721		381	1,102
City Utilities-Sanitary	519	Condition Assessment & Sewer Main Spot Repairs	221	227	234	681
City Utilities-Sanitary	520	Sanitary Optimization and Rehabilitation Program		352	362	714
City Utilities-Sanitary	521	Sanitary Sewer Master Plan - Implementation			1,636	1,636
City Utilities-Stormwater	530	Core Area Development Driven Upgrades-Stormwater	1,981	414	426	2,821
City Utilities-Stormwater	531	Development Driven Storm Sewer Upgrades - City Wide	398	91	94	582
City Utilities-Stormwater	532	Correction of Lot Drainage Problems	57	58	60	175
City Utilities-Stormwater	533	Creek Bank Stabilization - City Wide	103	106	109	318
City Utilities-Stormwater	534	Sediment Removal Creeks - City Wide	51	53	55	159
City Utilities-Stormwater	535	SWM Pond Sediment Removal	1,132	636	1,745	3,513
City Utilities-Stormwater	536	Bechtel Park Woodlot - Creek Rehabilitation	355			355
City Utilities-Stormwater	539	Clair Creek North Reach 1-Stormwater System Rehab	34	3,577		3,611
City Utilities-Stormwater	542	Laurel Crk Functional Study & Implementation - Regina to Weber **	1,023	1,931		2,954
City Utilities-Stormwater	543	Laurel Crk Study Implementation - Hillside Park to HWY 85	273	491		764
City Utilities-Stormwater	544	Pedestrian Bridge 72 Replacement		211	145	355

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

APPENDIX E Cont'd

INTEGRATED PLANNING & PUBLIC WORKS Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
City Utilities-Water	550	Non-potable Water Supply Well Assessment	54			54
City Utilities-Water	551	Excavation Fill Pile Clean up & Storage Facility Construction	2,583			2,583
City Utilities-Water	552	Advanced Metering Infrastructure Citywide Implementation	1,158	1,192	1,277	3,626
City Utilities-Water	553	City Utilities Financial Plan	38			38
City Utilities-Water	555	City Wide Development Driven Upgrades - Water	451	78	81	610
City Utilities-Water	556	Core Area Development Driven Upgrades - Water	1,283	443	456	2,182
City Utilities-Water	557	Valve Replacement Program	286	295	304	885
City Utilities-Water	558	Structurally Deficient Watermain Rehab - City Wide	1,448	1,070	1,101	3,619
City Utilities-Water	559	Water Distribution System Study Implementation			1,091	1,091
Eng. Serv.-Other	570	Northdale Community Master Plan Implementation	532		447	979
Eng. Serv.-Other	571	Pavement Condition Data Update			91	91
Eng. Serv.-Parks	580	City Wide - Var. Neighborhood New Park Dev.	248	53	55	356
Eng. Serv.-Parks	582	Hydro Corridor Trail - South of Columbia St.	69	529		599
Eng. Serv.-Parks	583	Trails in New Development Areas-NW Waterloo	257	265	273	795
Eng. Serv.-Parks	584	Uptown Neighbourhoods Public Space Additions	226		240	466
Eng. Serv.-Sanitary	600	Northlands Sanitary Pumping Station Upgrade	177	2,190		2,368
Eng. Serv.-Water	611	Infrastructure Management Initiatives	51	53	55	159
Eng. Serv.-Water	612	Erbsville Road - Ira Needles to Columbia St - Watermain			568	568
Planning	625	Community Climate Action Plan	29	30	31	89
Planning	626	Corporate Climate Change Adaptation Plan Implementation		260	268	528
Planning	627	Corporate Sustainability Office Initiatives	7	7	7	22
Planning	628	Heritage Educational Programs and Materials	51			51
Planning	629	Heritage Property Grant		45	46	91

APPENDIX E Cont'd

INTEGRATED PLANNING & PUBLIC WORKS Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Planning	634	Community Visioning	82			82
Planning	635	Comprehensive Zoning By-law Review -Legislated Review			109	109
Planning	636	Community Benefits Charge Implementation **	157			157
Planning	637	Cultural Heritage Landscape Study and Plan	139			139
Planning	638	Cultural Heritage Landscape Study and Plan II & III		229		229
Planning	639	DC Funded Growth Studies	30	31	32	94
Planning	641	DC Funded Growth (Height & Density) Studies			55	55
Planning	642	DC Funded Growth (Parking) Studies		53		53
Planning	645	Existing District Plan Updates	15	16	16	48
Planning	647	Growth Management Policy	103			103
Planning	649	Hydro Burial Study	31			31
Planning	650	Natural System Inventory and Strategy	340			340
Planning	652	Official Plan Review - Background Research		159		159
Planning	653	Reurbanization Initiatives	83			83
Planning	656	Transportation Demand Management Guidelines		53		53
Planning	657	Urban Design Model		53	55	108
Transportation Services	660	Bridge/Retaining Wall Inspection	89		94	183
Transportation Services	661	Bridges (Road/Culvert) Rehabilitation	80	83	85	248
Transportation Services	666	Alexandra Ave - Lourdes Street to Westmount Road	196	3,096	139	3,431
Transportation Services	669	City Wide - City Road Share of Regional Projects	2,479	1,192	1,227	4,899
Transportation Services	676	King St. – Central St to University Ave	3,928			3,928
Transportation Services	677	Larch Street - Balsam to Hickory Reconstruction	1,514			1,514
Transportation Services	678	Longfellow Dr - Shakespeare Dr to Westmount Rd - Reconstruction	286	2,451	99	2,836
Transportation Services	679	Longwood Dr - Albert St to Longwood Dr & Moccasin Dr - Greenbriar Dr to Longwood Dr	143			143
Transportation Services	680	MacKay Cr-Weber St to Alvin St-Reconstruction	262	2,713	95	3,070
Transportation Services	681	Neilson Ave - Margaret Ave to Bluevale St - Reconstruction	59			59
Transportation Services	682	Roosevelt Ave - Warrington Drive to Erb St	3,724	154		3,878
Transportation Services	683	Royal Street - Weber Street to Margaret Avenue	4,243	138		4,381
Transportation Services	686	Teakwood Drive and Thorncrest Dr between Glen Forrest & Teakwood			463	463
Transportation Services	694	Young Street East - King Street to Peppler	1,047	45		1,092
Transportation Services	695	Core Area Development Driven Upgrades-Roads	92	13	13	117

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

APPENDIX E Cont'd

INTEGRATED PLANNING & PUBLIC WORKS Routine Projects

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Transportation Services	696	Resurfacing Roads - Colonial Acres Area			164	164
Transportation Services	698	Road Widening & Intersection Improvements - City Wide	21	21	22	64
Transportation Services	700	Retaining Wall Replacement - City Wide	154	52	54	260
Transportation Services	701	Streetlighting Maintenance in Conjunction with Roads	51	52	54	156
Transportation Services	702	Streetlighting Retrofit, Pole Replacement, & Hydro Conduits - City Wide	278	286	294	858
Transportation Services	704	Active Waterloo Report		12		12
Transportation Services	705	Asphalt Walkways - City Wide		21		21
Transportation Services	706	Bicycle Parking	31	32	33	95
Transportation Services	707	Installation of Trail Counters		11		11
Transportation Services	710	Municipal Trail - Former Waterloo Inn Lands	1,580			1,580
Transportation Services	711	Northfield Dr Multi-use Trail - Bridge St to University Ave			293	293
Transportation Services	712	Pedestrian Crossing Facilities - Level 2	20	21		41
Transportation Services	713	Refuge Islands - City Wide -TMP	51	52	54	156
Transportation Services	714	Sidewalk Replacement - City Wide	124	127	131	382
Transportation Services	716	Sidewalks - New Construction - City Wide	303	312	321	936
Transportation Services	718	Traffic Calming Implementation - City Wide	127	131	135	393
Transportation Services	719	Trails and Bikeways Master Plan Implementation - City Wide	412	424	436	1,272
Transportation Services	723	Future Snow Dump Study		53		53
Transportation Services	724	Geotechnical - Various Locations	51	53	55	159
Transportation Services	727	Traffic Calming Studies - TMP	101	104	107	312
		Total IPPW Routine with 2020-2022 Funding	39,845	28,608	18,215	86,668

APPENDIX E Cont'd

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
City Utilities-Sanitary	513	Extend Sanitary Mains to Service Private Properties				2	2	4
City Utilities-Water	551	Excavation Fill Pile Clean up & Storage Facility Construction		40				40
City Utilities-Water	552	Advanced Metering Infrastructure Citywide Implementation					263	263
Eng. Serv.-Other	570	Northdale Community Master Plan Implementation		4		4		8
Eng. Serv.-Parks	580	City Wide - Var. Neighborhood New Park Dev.		7	2	2		10
Eng. Serv.-Parks	582	Hydro Corridor Trail - South of Columbia St.			3			3
Eng. Serv.-Parks	583	Trails in New Development Areas-NW Waterloo		2	2	2		5
Eng. Serv.-Parks	584	Uptown Neighbourhoods Public Space Additions		8		8		15
Transportation Services	677	Larch Street - Balsam to Hickory		10				10
Transportation Services	710	Municipal Trail - Former Waterloo Inn Lands		10				10
Transportation Services	711	Northfield Dr Multi-use Trail - Bridge St to University Ave				2		2
Transportation Services	716	Sidewalks - New Construction - City Wide		1	1	2		4
Transportation Services	718	Traffic Calming Implementation - City Wide			1			1
Transportation Services	719	Trails and Bikeways Master Plan Implementation - City Wide		3	3	3		9
Actionable Total				83	12	24	265	384

APPENDIX F

2020-2022 Non-Routine Projects with Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Ec Dev	119	Uptown Parking Expansion General (Structure & Surface Spaces)	5,029	5,177	7,106	17,312
Ec Dev	121	East Side Employment Lands	515	2,649	1,020	4,184
Ec Dev	123	West Side Employment Lands Servicing	18,334			18,334
Comm. Commissioner	202	Community Services In Camera	3,000			3,000
Environment & Parks	221	RIM Park Ball Diamond Upgrades		424	2,092	2,516
Environment & Parks	223	Park Amenity Upgrades		337		337
Environment & Parks	229	Alexandra Park Expansion	1,076			1,076
Environment & Parks	230	Leash Free Dog Park	57	171		228
Environment & Parks	231	Neighbourhood Action Sports Parks	818	492	723	2,033
Environment & Parks	233	Roger Street Parks Development		388		388
Environment & Parks	235	Splash Pads Construction	515	530	545	1,590
Environment & Parks	237	Waterloo Park - New East/West Park Crossing		954		954
Environment & Parks	242	Outdoor Sports Field Strategy Implementation	91	286	97	474
Environment & Parks	243	Park Operations Yard Relocation from Bauer Lot		477		477
Environment & Parks	250	Waterloo Park - Bauer Parking Lot Upgrade		482		482
Environment & Parks	251	Waterloo Park Lake Frontage Reconstruction **	2,339			2,339
Environment & Parks	252	Waterloo Park - Master Plan Implementation	718	755	827	2,300
Fac Design & Mgmt Serv.	273	Material Storage Implementation		523		523
Fac Design & Mgmt Serv.	277	Button Factory Elevator Installation	515			515
City Utilities-Stormwater	545	Stormwater Management System Master Plan Implementation		780	803	1,583
Eng. Serv.-Roads	590	Beaver Creek Road & Conservation Drive Reconstruction	21,464	17,589		39,053
Eng. Serv.-Roads	593	Ira Needles Boulevard - By-pass	6,115			6,115
Eng. Serv.-Water	610	Completion of the Waterloo Public Square	106	959		1,065

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

APPENDIX F Cont'd

2020-2022 Non-Routine Projects with Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2020-2022 Total
Planning	622	Northdale Priority Project		2,674	2,727	5,401
Planning	623	University Avenue Gateway Implementation	579	816	273	1,667
Planning	624	Uptown Public Realm Implementation	1,750		545	2,295
Planning	631	Station Area Planning Implementation	3,106	2,186	2,250	7,542
Transportation Services	687	Union St - King St to Moore Ave **	156	6,551	168	6,875
Transportation Services	720	Trail Lighting Retrofit Program		26	65	92
Total Non-Routine with 2020-2022 Funding			66,283	45,225	19,241	130,748

** Projects highlighted were approved via report CORP2019-080 Early Approval of Capital Projects on November 18, 2019

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
Economic Development	119	Uptown Parking Expansion General (Structure & Surface Spaces)					208	208
Economic Development	121	East Side Employment Lands				50		50
Economic Development	123	West Side Employment Lands Servicing			69			69
Comm. Commissioner	202	Community Services In Camera				250		250
Environment & Parks	221	RIM Park Ball Diamond Upgrades				30		30
Environment & Parks	223	Park Amenity Upgrades			5			5
Environment & Parks	229	Alexandra Park Expansion		37				37
Environment & Parks	230	Leash Free Dog Park			10			10
Environment & Parks	231	Neighbourhood Action Sports Parks		15	15	80	15	125
Environment & Parks	233	Roger Street Parks Development			16			16
Environment & Parks	235	Splash Pad Construction		25	65	25		115
Environment & Parks	237	Waterloo Park - New East/West Park Crossing			28			28
Environment & Parks	242	Outdoor Sports Field Strategy Implementation			10	5		15
Environment & Parks	243	Park Operations Yard Relocation from Bauer Lot				40		40
Environment & Parks	250	Waterloo Park - Bauer Parking Lot Upgrade				40		40
Environment & Parks	251	Waterloo Park Lake Frontage Reconstruction		50				50
Environment & Parks	252	Waterloo Park - Master Plan Implementation		10	10	10		30
Fac Design & Mgmt Serv.	273	Material Storage Implementation			14			14
Fac Design & Mgmt Serv.	277	Button Factory Elevator Installation				1		1
City Utilities-Stormwater	545	Stormwater Management System Master Plan Implementation				1	1	2
Eng. Serv.-Roads	590	Beaver Creek Road & Conservation Drive Reconstruction				284		284

APPENDIX F Cont'd

Actionable Operating Impacts

Service Delivery Division	REF	Project Description	2020	2021	2022	2023	2024	Total
Eng. Serv.-Sanitary	593	Ira Needles Boulevard - By-pass				79		79
Eng. Serv.-Water	610	Completion of the Waterloo Public Square			12			12
Planning	622	Northdale Priority Project			20	142		163
Planning	623	University Avenue Gateway Implementation				10		10
Planning	624	Uptown Public Realm Implementation		17	31			49
Planning	631	Station Area Planning Implementation			60		125	185
Transportation Services	687	Union St - King St to Moore Ave			1			1
Transportation Services	720	Trail Lighting Retrofit Program			1	1		1
Actionable Total				155	366	1,047	349	1,917