Winnipeg

2020 Preliminary Budget

Capital Project Detail

Volume 3





City of Winnipeg

2020

Preliminary Budget
Capital Project Detail
Volume 3

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Reader's Guide

This **Reader's Guide** is intended to provide the reader with a basic understanding of the Capital Project Detail Volume 3, developed from the capital budgeting process, as well as briefly describe the document's content and layout.

The **2020 Preliminary Capital Budget and the 2021 to 2025 Five-Year Forecast** provides summary and detailed information on capital projects and financing for the capital program, set out in the following sections:

- The **Capital Project Summary** provides a listing of capital projects for 2020 through to 2025, highlighting related financing sources.
- The **Capital Project Detail** section gives additional information about each project in the budget, including project descriptions, current year's budget and five-year forecast, cash flow projections, net impact on the operating budget, and previous budget authorizations, if applicable. The capital estimate and service area are identified, as well as the link to OurWinnipeg to ensure all capital projects align with city objectives.
- The **Appendices** provide additional context information in support of the rest of the budget document.

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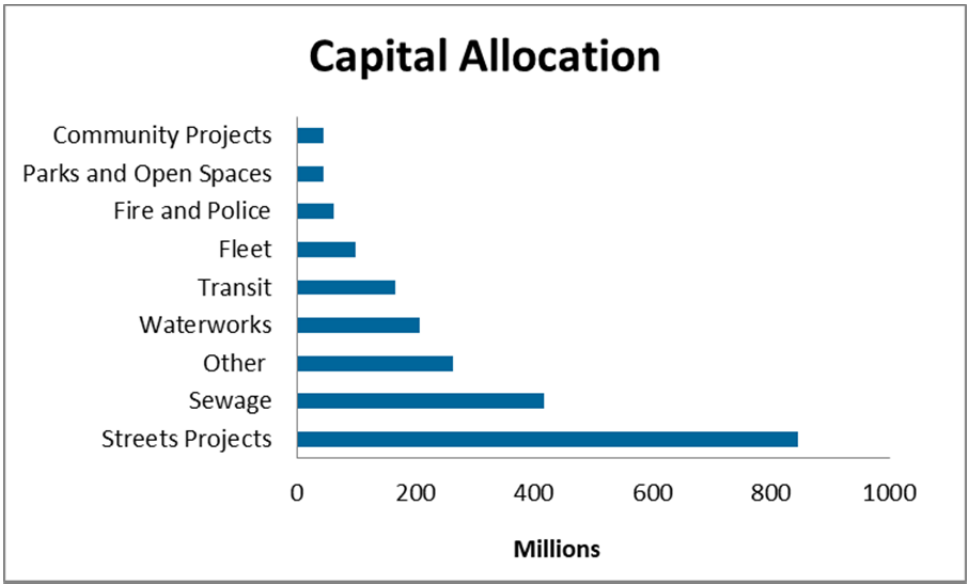
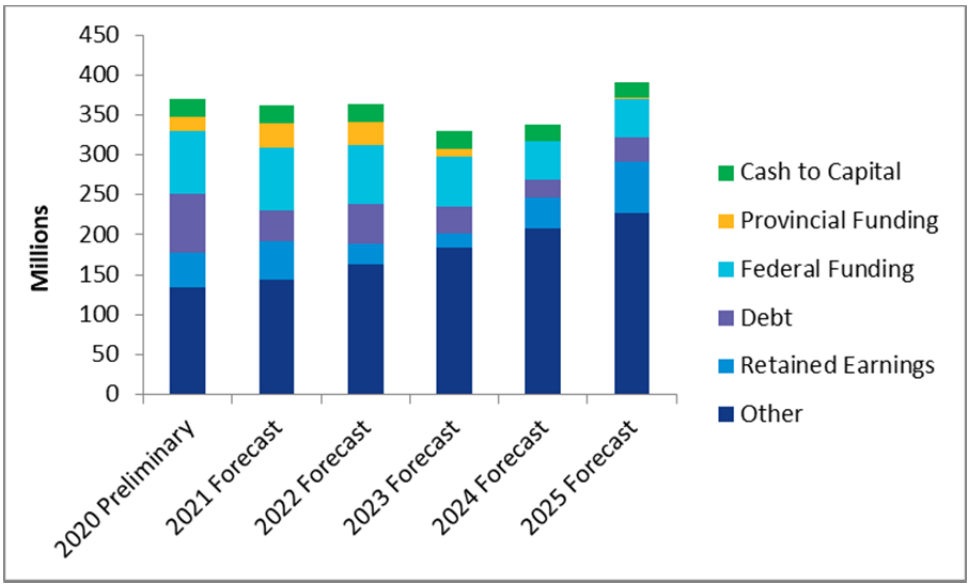
Executive Summary

The 2020 Preliminary Capital Budget and 2021 – 2025 Five-Year Forecast supports infrastructure and investments such as purchasing or constructing buildings, roads, park and recreation areas, equipment, vehicles and land. The 2020 capital budget and five-year forecast balances infrastructure investment required to keep existing City assets in good repair while supporting ongoing growth needs. Capital investment decisions consider the collective benefit for residents, the risks associated with project deferral, and service affordability.

The 2020 Capital Budget is comprised of $2.1 billion in total capital investment over the next six years. The following chart summarizes the budget by specific areas:



This capital budget has kept debt levels relatively flat and cash to capital funding at approximately $20.0 million per year. These are significant funding decisions which have impacted the operating budget.



Executive Summary

Provincial funding comprises 4% of the six-year capital budget. Federal funding makes up 18.3%.

Despite the significant investments made in this budget the City is challenged by funding contributions from other levels of government. The City continues to have ongoing discussions with the Province and the federal government on this issue.

This budget continues to advance Council's strategic goals, as set out in *OurWinnipeg*:

- Complete Communities
- Sustainable Transportation
- Sustainable Water and Waste
- A sustainable Winnipeg

This budget contains continued investments in regional and local street renewals, with over $846 million allocated to this area over the six years. Transit includes over $130 million in funding for transit buses, heated bus shelters, the low income bus pass program and accessibility improvements.



The 2020 budget increases support for the combined sewer overflow and basement flood management strategy. The City also continues to focus on sustainability with investments in the urban forest and water meter renewals.



With the population of Winnipeg continuing to expand, planning for growth is critical to ensure complete communities. Dedicated funding has been included for a new Waverley West Fire Paramedic Station and consolidation of existing fire stations to enhance service.

As noted in the recent 2020 Infrastructure Report, total capital investment needs are greater than the available budget. The recent infrastructure report highlighted the future infrastructure requirements over the next 10 years. Strategic, long-term governmental partnerships and predictable long term funding arrangements are required for the City to address its ongoing infrastructure requirements.

Executive Summary

Implementation of the capital projects can impact future operating expenditures. For example, improvements to buildings may lower maintenance costs and new arenas or recreational amenities may increase ongoing maintenance. Operating costs are considered in deciding when projects are authorized. Incremental increases in operating costs, when identifiable, are reflected under operating costs in the Net Operating Impact table for each project (see capital detail sheets in section 2). The following is a summary of these costs plus related transfer to capital and debt and finance charges for the six-year capital budget period:

Department/Utility/Special Operating Agency	Incremental Operating Costs					
	2020	2021	2022	2023	2024	2025
	(in $000s)					
Public Works	10,041	7,351	6,388	5,179	5,362	6,304
Community Services	3,813	402	513	2,489	2,534	4,400
Winnipeg Police Service	2,753	6,184	6,241	4,111	4,098	3,391
Fire Paramedic Service	540	1,215	1,820	2,509	2,903	2,457
Property, Planning and Development	2,406	1,396	1,737	1,639	1,748	1,713
City Clerks	-	100	210	100	-	100
Innovation, Transformation and Technology	2,221	2,555	3,059	3,201	3,290	2,855
Customer Service and Communications	122	100	-	100	-	-
Assessment and Taxation	22	285	468	76	347	512
Total Tax Supported	21,918	19,588	20,436	19,404	20,282	21,732
Municipal Accommodations	214	1,286	995	851	164	1,107
Transit	6,161	12,942	13,990	17,219	17,181	14,130
Total Tax Supported, Transit and Muncipal Accommodations	28,293	33,816	35,421	37,474	37,627	36,969
Self-Supporting Utilities						
Waterworks Systems	-	-	-	-	-	-
Sewage Disposal System	255	451	577	630	717	733
Solid Waste Disposal System	59	60	172	162	162	162
Land Drainage and Flood Control	153	175	(252)	(244)	(208)	(199)
Total Self-Supporting Utilities	467	686	497	548	671	696
Special Operating Agencies						
Winnipeg Fleet Management Agency	314	802	1,202	1,637	2,026	2,314
Winnipeg Parking Authority	56	17	17	17	17	17
Total Special Operating Agencies	370	819	1,219	1,654	2,043	2,331
TOTAL CITY	29,130	35,321	37,137	39,676	40,341	39,996

Capital Project Summary

2020 Preliminary Capital Budget and 2021 to 2025 Five-Year Forecast

Note:

In the attached Capital Project Summary, tax supported capital projects are financed by cash to capital unless other funding is disclosed for the project.

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		BUDGET	FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2020-2025
SUMMARY OF CAPITAL PROGRAM								
Public Works	118,384	164,675	174,394	185,628	168,038	156,092	173,179	1,022,006
Community Services	30,640	13,646	12,235	5,525	4,785	4,724	4,835	45,750
Winnipeg Police Service	4,558	2,966	4,990	5,047	3,034	2,655	2,098	20,790
Fire Paramedic Service	16,085	11,112	2,414	17,392	12,369	1,668	1,619	46,574
Planning, Property and Development	2,985	6,062	3,220	1,495	228	337	302	11,644
City Clerks			100	210	100		100	510
Innovation, Transformation and Technology	11,353	6,776	4,951	4,460	2,770	2,151	3,619	24,727
Customer Service and Communication		122	100		100			322
Assessment and Taxation	2,350	630	587	412	480	397	412	2,918
Total Tax Supported	186,355	205,989	202,991	220,169	191,904	168,024	186,164	1,175,241
Municipal Accommodations	18,196	4,707	3,523	931	1,333	2,660	943	14,097
Transit	39,771	26,435	28,635	27,612	28,638	30,463	25,044	166,827
Total Tax Supported, Transit and Municipal Accommodations	244,322	237,131	235,149	248,712	221,875	201,147	212,151	1,356,165
Self-Supporting Utilities								
Waterworks System	25,000	37,600	40,960	28,250	23,915	30,180	46,045	206,950
Sewage Disposal System	64,189	69,065	61,530	58,590	58,550	80,535	109,025	437,295
Solid Waste Disposal System	3,625	3,470	2,750	4,900	3,150	1,850	1,400	17,520
Land Drainage and Flood Control	7,195	5,680	4,470	5,700	5,500	6,785	5,600	33,735
Total Self-Supporting Utilities	100,009	115,815	109,710	97,440	91,115	119,350	162,070	695,500
Special Operating Agencies								
Winnipeg Fleet Management Agency	23,313	15,972	17,349	16,465	16,440	16,447	16,447	99,120
Winnipeg Parking Authority	121	651	126	172	137	238	149	1,473
Total Special Operating Agencies	23,434	16,623	17,475	16,637	16,577	16,685	16,596	100,593
TOTAL CAPITAL PROGRAM	367,765	369,569	362,334	362,789	329,567	337,182	390,817	2,152,258

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	ADOPTED BUDGET	PRELIMINARY CAPITAL BUDGET	PRELIMINARY CAPITAL FORECAST					6 YEAR TOTAL
	2019	2020	2021	2022	2023	2024	2025	2020-2025
SUMMARY OF FINANCING SOURCES								
Cash to Capital	21,260	22,721	22,889	21,408	21,500	20,000	20,000	128,518
Frontage Levy	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Public Private Partnership Annual Service / Financing Payments	(26,357)	(37,404)	(37,761)	(37,901)	(38,201)	(38,636)	(37,355)	(227,258)
Reserves:								
- Transit Bus Replacement						10,889	12,268	23,157
- Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment	1,780	14,460	14,720	14,760	14,880	15,190	15,280	89,290
- Water Meter Renewal							16,000	16,000
- Water Main Renewal	16,500	17,500	18,000	18,500	19,000	20,000	20,500	113,500
- Sewer System Rehabilitation	17,500	7,000	17,500	18,000	18,500	21,000	21,000	103,000
- Environmental Projects	31,100	31,610	23,110	29,120	30,000	32,000	34,160	180,000
- Landfill Rehabilitation	875	970	1,550	1,400	1,400	1,350	1,400	8,070
- Waste Diversion		1,800		250	450			2,500
- Financial Stabilization	1,035	1,035	1,035	1,035	1,035			4,140
- Destination Marketing		336						336
- Permit		1,215	1,947	1,019				4,181
- Land Operating	7,370	4,515	2,915	965	965	3,265	965	13,590
- Impact Fee					7,000			7,000
- Local Street Renewal	13,898	25,536	44,578	50,778	61,778	73,178	84,878	340,726
- Regional Street Renewal	29,538	28,800	41,338	47,538	49,538	51,538	53,638	272,390
- Economic Development Investment	3,741							
Interim Financing / (Repayment)	(4,095)	(4,513)	(1,110)	129		(600)		(6,094)
Contributions from Other Levels of Government:								
- Federal Gas Tax	58,682	53,958	52,889	49,988	50,415	48,440	48,420	304,110
- Transfer from Prior Year Authorization - Federal Gas Tax	1,132							
- Federal New Building Canada Fund	12,000	25,000	26,000	24,000	13,000			88,000
- Veterans Affairs Canada	700	800	700	150				1,650
- Public Transit Infrastructure Fund (Federal Government)	3,402							
- Public Transit Infrastructure Fund (Provincial Government)	438							
- Province of Manitoba Accelerated Regional Roads	17,000	15,000	29,100	29,100	9,800			83,000
- Shared Health Capital Grant	1,877	1,471	989	520	270	220	100	3,570
Other Funders:								
- Developer Funding / Developer Capacity Charges		2,586	500	700	1,000	1,700	500	6,986
- Sponsorship / Sponsor Winnipeg	95	48	48	48				144

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	ADOPTED BUDGET	PRELIMINARY CAPITAL						6 YEAR TOTAL
		BUDGET	FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2020-2025
Retained Earnings - Transit	6,992	5,639	1,500	1,500	1,500			10,139
Retained Earnings - Self-supporting Utilities	25,339	37,575	45,080	21,970	16,265	38,215	63,410	222,515
Accumulated Surplus (Retained Earnings) - Special Operating Agencies	1,098	1,345	1,805	967	907	1,015	926	6,965
Transfer from Sewage Disposal System Fund	6,324	5,180	3,970	5,000	4,500	5,085	5,100	28,835
External Debt	38,187	56,327	20,701	32,943	16,522	5,708	1,519	133,720
External Debt - Fleet	22,336	15,178	15,670	15,670	15,670	15,670	15,670	93,528
Internal Financing	34,900	1,440	1,500	1,000	500			4,440
Transfers from Other Capital Accounts / Surplus Capital	13,118	22,441	1,171	2,232	1,373	1,955	2,438	31,610
TOTAL FINANCING SOURCES	367,765	369,569	362,334	362,789	329,567	337,182	390,817	2,152,258

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	ADOPTED BUDGET	PRELIMINARY CAPITAL						6 YEAR TOTAL
		BUDGET	FORECAST					
	2019	2020	2021	2022	2023	2024	2025	2020-2025
FINANCING SOURCES								
Tax Supported, Transit and Municipal Accommodations								
Cash to Capital	21,260	22,721	22,889	21,408	21,500	20,000	20,000	128,518
Frontage Levy	10,000	10,000	10,000	10,000	10,000	10,000	10,000	60,000
Public Private Partnership Annual Service / Financing Payments	(26,357)	(37,404)	(37,761)	(37,901)	(38,201)	(38,636)	(37,355)	(227,258)
Reserves:								
- Transit Bus Replacement						10,889	12,268	23,157
- Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment	1,780	14,460	14,720	14,760	14,880	15,190	15,280	89,290
- Economic Development Investment	3,741							
- Financial Stabilization	1,035	1,035	1,035	1,035	1,035			4,140
- Destination Marketing		236						236
- Permit		1,215	1,947	1,019				4,181
- Land Operating	7,370	4,515	2,915	965	965	3,265	965	13,590
- Impact Fee					7,000			7,000
- Local Street Renewal	13,898	25,536	44,578	50,778	61,778	73,178	84,878	340,726
- Regional Street Renewal	29,538	28,800	41,338	47,538	49,538	51,538	53,638	272,390
Interim Financing / (Repayment)	(4,095)	(4,513)	(1,110)	129		(600)		(6,094)
Contributions from Other Levels of Government:								
- Federal Gas Tax	58,682	53,958	52,889	49,988	50,415	48,440	48,420	304,110
- Transfer from Prior Year Authorization - Federal Gas Tax	1,132							
- Federal New Building Canada Fund	12,000	25,000	26,000	24,000	13,000			88,000
- Veterans Affairs Canada	700	800	700	150				1,650
- Public Transit Infrastructure Fund (Federal Funding)	3,402							
- Public Transit Infrastructure Fund (Provincial Funding)	438							
- Province of Manitoba Accelerated Regional Roads	17,000	15,000	29,100	29,100	9,800			83,000
- Shared Health Capital Grant	1,877	1,471	989	520	270	220	100	3,570

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	ADOPTED BUDGET	PRELIMINARY CAPITAL					6 YEAR TOTAL
		BUDGET	FORECAST				
	2019	2020	2021	2022	2023	2024	2025	2020-2025
Other Funders:								
- Developer Funding / Developer Capacity Charges		2,586						2,586
- Sponsorship / Sponsor Winnipeg	95	48	48	48				144
External Debt	38,187	56,327	20,701	30,443	16,522	5,708	1,519	131,220
Internal Financing	34,900	1,440	1,500	1,000	500			4,440
Retained Earnings - Transit	6,992	5,639	1,500	1,500	1,500			10,139
Transfers from Other Capital Accounts / Surplus Capital	10,747	8,261	1,171	2,232	1,373	1,955	2,438	17,430
Total Tax Supported, Transit and Municipal Accommodations	244,322	237,131	235,149	248,712	221,875	201,147	212,151	1,356,165
Self-Supporting Utilities								
Reserves:								
- Sewer System Rehabilitation	17,500	7,000	17,500	18,000	18,500	21,000	21,000	103,000
- Water Meter Renewal							16,000	16,000
- Water Main Renewal	16,500	17,500	18,000	18,500	19,000	20,000	20,500	113,500
- Environmental Projects	31,100	31,610	23,110	29,120	30,000	32,000	34,160	180,000
- Landfill Rehabilitation	875	970	1,550	1,400	1,400	1,350	1,400	8,070
- Waste Diversion		1,800		250	450			2,500
Retained Earnings - Self-supporting Utilities	25,339	37,575	45,080	21,970	16,265	38,215	63,410	222,515
Transfer from Sewage Disposal System Fund	6,324	5,180	3,970	5,000	4,500	5,085	5,100	28,835
Developer Funding / Developer Capacity Charges			500	700	1,000	1,700	500	4,400
External Debt				2,500				2,500
Transfers from Other Capital Accounts	2,371	14,180						14,180
Total Self-Supporting Utilities	100,009	115,815	109,710	97,440	91,115	119,350	162,070	695,500
Special Operating Agencies								
Destination Marketing Reserve		100						100
Accumulated Surplus (Retained Earnings)	1,098	1,345	1,805	967	907	1,015	926	6,965
External Debt - Fleet	22,336	15,178	15,670	15,670	15,670	15,670	15,670	93,528
Total Special Operating Agencies	23,434	16,623	17,475	16,637	16,577	16,685	16,596	100,593
TOTAL FINANCING SOURCES	367,765	369,569	362,334	362,789	329,567	337,182	390,817	2,152,258

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
CAPITAL PROJECTS LISTING									
PUBLIC WORKS									
Active Transportation Facilities									
Pedestrian and Cycling Program									
- Cash to Capital			1,178	1,314	673	190	251	283	3,889
- Interim Financing from General Capital Fund / (Repayment) - Council authorized $3.850 million in 2017 for Chief Peguis Trail - Kildonan Settlers Bridge Pedestrian and Cycling Improvements (Council September 27, 2017)			(2,365)	(1,062)	(423)				(3,850)
- Federal Gas Tax		1,743	2,874	1,600	1,400	1,400	1,400	1,400	10,074
- Internal Financing		957							
- Transfer from Corporate Non-specified Capital Account			1,807						1,807
- Transfer from Prior Year Authorization		324	128						128
Total Pedestrian and Cycling Program	2-1	3,024	3,622	1,852	1,650	1,590	1,651	1,683	12,048
Tache Promenade									
- Cash to Capital			1,000						1,000
- Interim Financing from General Capital Fund / (Repayment)			(1,000)						(1,000)
Total Tache Promenade	2-5								
Total Active Transportation Facilities		3,024	3,622	1,852	1,650	1,590	1,651	1,683	12,048
Street Improvements									
Developer Payback - Various Locations									
- Cash to Capital			250						250
- Federal Gas Tax			9,500						9,500
Total Developer Payback - Various Locations	2-6		9,750						9,750
Tuxedo Yards Development									
- Economic Development Investment Reserve		3,741							
Transportation Master Plan									
- Cash to Capital		250	30	10	20				60
- Federal Gas Tax			845	115	230				1,190
Total Transportation Master Plan	2-7	250	875	125	250				1,250
Traffic Signals Improvements									
- Frontage Levy			688						688
- Internal Financing		1,030							
Total Traffic Signals Improvements	2-8	1,030	688						688

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Traffic Signals Loops									
- Cash to Capital		250							
- Frontage Levy			250	250	250	250	250	250	1,500
Total Traffic Signals Loops	2-9	250	250	250	250	250	250	250	1,500
Permanent Traffic Monitoring Stations									
- Cash to Capital		445							
- Internal Financing		500							
- Frontage Levy			623						623
Total Permanent Traffic Monitoring Stations	2-10	945	623						623
Traffic Engineering Improvements - Various Locations									
- Frontage Levy			1,900	1,560	1,177	1,119	1,200	1,229	8,185
- Internal Financing		1,575							
Total Traffic Engineering Improvements - Various Locations	2-11	1,575	1,900	1,560	1,177	1,119	1,200	1,229	8,185
Inner-Ring Road - Functional Design									
- Federal Gas Tax	2-12						551		551
Marion Street Improvements - Functional Design Study									
- Transfer from Prior Year Authorization		917							
Total Street Improvements		8,708	14,086	1,935	1,677	1,369	2,001	1,479	22,547
Regional and Local Street Renewal - Council has authorized first charges of $28.286 million (Council March 20, 2019), $500,000 (Council September 26, 2019), and $37.750 million (Council December 12, 2019) for a total of $66.536 million in 2019 or prior to the adoption of the 2020 capital budget. See page 2-13 for a detailed listing of the first charge authorizations.									
- Frontage Levy			269	2,677					2,946
- Federal New Building Canada Fund (Regional)		12,000	25,000	26,000	24,000	13,000			88,000
- Federal Gas Tax (Local)		12,000	8,314	7,323	12,000	1,885		5,588	35,110
- Province of Manitoba Accelerated Regional Roads		17,000	15,000	29,100	29,100	9,800			83,000
- Local Street Renewal Reserve		33,898	38,998	44,578	50,778	61,778	73,178	84,878	354,188
- Regional Street Renewal Reserve		29,538	35,338	41,338	45,538	49,538	50,917	53,638	276,307
- Reduction from the Regional and Local Street Renewal Reserves due to Province of Manitoba 2018 Roads Funding Shortfall		(20,000)	(20,000)						(20,000)
- External Debt			22,817						22,817
- Interim Financing from General Capital Fund / (Repayment) - Council authorized $4 million in 2017 for Protected Bike Lanes: Chevrier Boulevard & Waverley Pathway Connection (Council September 27,2017)		(4,000)							
- Prior Year Surplus		6,000	2,000						2,000
- Developer Funding			2,586						2,586
Total Regional and Local Street Renewal	2-13	86,436	130,322	151,016	161,416	136,001	124,095	144,104	846,954

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Waterway Crossings and Grade Separations									
Fermor Avenue Bridge (Seine River)									
- Cash to Capital		**250**							
- Frontage Levy		**4,350**							
Total Fermor Avenue Bridge (Seine River)		**4,600**							
Osborne Street Underpass									
- Frontage Levy								**500**	**500**
- Federal Gas Tax								**600**	**600**
Total Osborne Street Underpass	2-24							**1,100**	**1,100**
Dublin Avenue Bridge (Omand's Creek) - First charge against the 2020 Capital Budget of up to $3.3 million (Council March 20, 2019)									
- Frontage Levy	2-25	**700**	**3,300**						**3,300**
Sherwin Road Bridge (Omand's Creek)									
- Frontage Levy		**700**							
Pembina Highway Overpass (Bishop Grandin) Rehabilitation									
- Frontage Levy						**500**	**500**	**5,021**	**6,021**
- Regional Street Renewal Reserve							**621**		**621**
- Federal Gas Tax						**500**	**879**	**12,379**	**13,758**
Total Pembina Highway Overpass (Bishop Grandin) Rehabilitation	2-26					**1,000**	**2,000**	**17,400**	**20,400**
Kenaston/Route 90 Widening and St. James Bridges									
- Frontage Levy		**2,163**							
St. Vital Bridge Rehabilitation									
- Frontage Levy				**2,000**	**4,573**	**4,631**	**4,550**		**15,754**
- Regional Street Renewal Reserve					**1,639**				**1,639**
- Federal Gas Tax						**8,969**	**14,650**		**23,619**
Total St. Vital Bridge Rehabilitation	2-27			**2,000**	**6,212**	**13,600**	**19,200**		**41,012**
Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)									
- Frontage Levy					**1,000**	**500**	**500**		**2,000**
- Regional Street Renewal Reserve					**361**				**361**
- Federal Gas Tax					**639**	**1,500**	**1,500**		**3,639**
Total Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)	2-28				**2,000**	**2,000**	**2,000**		**6,000**
Waterway Crossing and Grade Separations - Annual Program									
- Frontage Levy		**2,087**	**2,970**	**3,513**	**3,000**	**3,000**	**3,000**	**3,000**	**18,483**
- Internal Financing		**913**							
Total Waterway Crossing and Grade Separations - Annual Program	2-29	**3,000**	**2,970**	**3,513**	**3,000**	**3,000**	**3,000**	**3,000**	**18,483**

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Disraeli Bridge and Overpass Facility									
- Cash to Capital		**662**	**650**	**348**	**600**	**600**	**600**	**600**	**3,398**
- Federal Gas Tax		**14,118**	**12,467**	**12,822**	**12,625**	**12,725**	**12,737**	**12,795**	**76,171**
- Public Private Partnership Annual Service / Financing Payments		**(11,873)**	**(11,931)**	**(11,984)**	**(12,039)**	**(12,139)**	**(12,151)**	**(12,209)**	**(72,453)**
- Debt servicing - repayment of debt		**(2,907)**	**(1,186)**	**(1,186)**	**(1,186)**	**(1,186)**	**(1,186)**	**(1,186)**	**(7,116)**
Total Disraeli Bridge and Overpass Facility	2-30								
Charleswood Bridge									
- Cash to Capital		**1,478**	**1,478**	**1,478**	**1,478**	**1,478**	**1,478**		**7,390**
- Public Private Partnership Lease Payments		**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**	**(1,478)**		**(7,390)**
Total Charleswood Bridge	2-32								
Total Waterway Crossings and Grade Separations		**11,163**	**6,270**	**5,513**	**11,212**	**19,600**	**26,200**	**21,500**	**90,295**
New Transportation Facilities									
Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard									
- Cash to Capital		**1,193**	**1,250**	**600**	**616**	**600**	**600**	**600**	**4,266**
- Federal Gas Tax		**6,070**	**6,043**	**6,737**	**6,766**	**6,829**	**6,876**	**6,925**	**40,176**
- Public Private Partnership Annual Service / Financing Payments		**(6,284)**	**(6,314)**	**(6,358)**	**(6,403)**	**(6,450)**	**(6,497)**	**(6,546)**	**(38,568)**
- Debt servicing - repayment of debt		**(979)**	**(979)**	**(979)**	**(979)**	**(979)**	**(979)**	**(979)**	**(5,874)**
Total Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard	2-33								
Total New Transportation Facilities									
Other Streets Projects									
Work Management / Asset Management Systems Study		**300**							
Asset Management System - Various Divisions									
- Cash to Capital		**100**	**75**	**75**	**75**	**75**	**75**	**75**	**450**
- Federal Gas Tax			**25**	**25**	**25**	**25**	**25**	**25**	**150**
Total Asset Management System - Various Divisions	2-35	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Land Acquisition - Transportation Right of Way									
- Cash to Capital			**950**						**950**
- Transfer from Prior Year Authorization			**230**						**230**
Total Land Acquisition - Transportation Right of Way	2-36		**1,180**						**1,180**
Total Other Streets Projects		**400**	**1,280**	**100**	**100**	**100**	**100**	**100**	**1,780**
TOTAL STREETS PROJECTS		**109,731**	**155,580**	**160,416**	**176,055**	**158,660**	**154,047**	**168,866**	**973,624**

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Parks and Open Space									
Reforestation - Improvements									
- Cash to Capital		383	50	383		83	383	383	1,282
- Federal Gas Tax					383	300			683
- External Debt			333						333
Total Reforestation - Improvements	2-37	383	383	383	383	383	383	383	2,298
Athletic Fields - Improvements									
- Federal Gas Tax / Surplus		350							
Community and Neighbourhood Parks - Existing		170							
Regional Parks									
- Cash to Capital				337		41			378
- Federal Gas Tax				600		1,423			2,023
- External Debt				238					238
Total Regional Parks	2-38			1,175		1,464			2,639
Parks Buildings									
- Federal Gas Tax		350		2,642					2,642
- External Debt				378					378
Total Parks Buildings	2-39	350		3,020					3,020
Parks and Recreation Enhancement Program									
- Cash to Capital			1,464			281	300	300	2,345
- Federal Gas Tax			1,089	1,716	1,890	1,450			6,145
- External Debt				384					384
- Internal Financing		3,300							
Total Parks and Recreation Enhancement Program	2-40	3,300	2,553	2,100	1,890	1,731	300	300	8,874
Rainbow Stage	2-42			1,500	1,500				3,000
Urban Forest Enhancement Program									
- Cash to Capital			959			400	205	2,553	4,117
- Federal Gas Tax			4,432	5,751	5,800	5,400	573	1,077	23,033
- External Debt		4,100		49			584		633
- Interim Financing from General Capital Fund / (Repayment)			(1,100)						(1,100)
- Transfer from Corporate Non-specified Capital Account			1,868						1,868
Total Urban Forest Enhancement Program	2-43	4,100	6,159	5,800	5,800	5,800	1,362	3,630	28,551
Total Parks and Open Space		8,653	9,095	13,978	9,573	9,378	2,045	4,313	45,382
TOTAL PUBLIC WORKS		118,384	164,675	174,394	185,628	168,038	156,092	173,179	1,022,006

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
COMMUNITY SERVICES									
Library Facility Safety, Security and Accessibility Improvements Program									
- Cash to Capital		162							
- Federal Gas Tax					100				100
- External Debt				150					150
- Transfer from Prior Year Authorization							200		200
Total Library Facility Safety, Security and Accessibility Improvements Program	2-44	162		150	100		200		450
Library Refurbishment & Interior Infrastructure Program									
- Cash to Capital		18							
- Federal Gas Tax				150			299		449
- External Debt		465							
- Transfer from Prior Year Authorization							351		351
Total Library Refurbishment & Interior Infrastructure Program	2-45	483		150			650		800
Library Technology Upgrade and Replacement Program									
- Cash to Capital		350				317		350	667
- Federal Gas Tax						8			8
- External Debt			67						67
- Transfer from Prior Year Authorization			116						116
Total Library Technology Upgrade and Replacement Program	2-46	350	183			325		350	858
West Kildonan GoLibrary									
- Federal Gas Tax	2-47		242						242
Library Facility Redevelopment - Bill and Helen Norrie Library									
- External Debt		3,570							
Library Facility Redevelopment - St. James Library									
- External Debt		100							
Library Facility Redevelopment - West Kildonan Library and GoLibrary - Old Kildonan Community									
- External Debt		242							
Recreational Facility Safety, Security and Accessibility Improvements Program									
- Cash to Capital		13						190	190
- Federal Gas Tax		162		73		150	108		331
- External Debt				50					50
- Transfer from Prior Year Authorization				112	130		171		413
Total Recreational Facility Safety, Security and Accessibility Improvements Program	2-48	175		235	130	150	279	190	984

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Fitness Equipment Upgrade Program									
- Cash to Capital		248						326	326
- Federal Gas Tax			285	300	295	178	255	4	1,317
- Transfer from Prior Year Authorization						132	65		197
Total Fitness Equipment Upgrade Program	2-49	248	285	300	295	310	320	330	1,840
Recreation and Leisure Infrastructure Renewal		100							
St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion) - First charge against the 2020 Capital Budget of up to $3.7 million (Council October 24, 2019)									
- Federal Gas Tax			1,400						1,400
- External Debt		2,405	2,300						2,300
Total St. James Civic Centre - Facility Renewal	2-50	2,405	3,700						3,700
St. James Community Recreation Amenities									
- Land Operating Reserve	2-51		1,400						1,400
New Recreation Facility - South Winnipeg									
- Federal Gas Tax / Surplus		1,750							
Grant Park Recreation Campus									
- Cash to Capital		772							
- Internal Financing		978							
Total Grant Park Recreation Campus		1,750							
East of the Red RecPlex	2-52							1,000	1,000
Seven Oaks Pool - Concrete Restoration and Air Handling Unit Replacement									
- External Debt		990							
- Transfer from Departmental Non-Specified Capital Account		163							
- Federal Gas Tax		1,086							
Total Seven Oaks Pool - Concrete Restoration and Air Handling Unit Replacement		2,239							
Pan Am Pool - Ceiling, Lighting and Public Address and Audio System									
- Federal Gas Tax		2,600							
Repair and Renovation of Pan Am Pool Universal Change Rooms									
- Federal Gas Tax	2-53			940					940
Norwood Pool - Decommissioning		150							

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Boni-Vital Pool									
- Cash to Capital		42							
- Federal Gas Tax				5,360					5,360
- External Debt		150							
Total Boni-Vital Pool	2-54	192		5,360					5,360
Technology Advancement Program									
- Cash to Capital		312					310		310
- External Debt				100					100
Total Technology Advancement Program	2-55	312		100			310		410
Community Centre Renovation Grant Program (CCRGP)									
- Financial Stabilization Reserve		1,035	1,035	1,035	1,035	1,035			4,140
- Land Operating Reserve		965	965	965	965	965	965	965	5,790
Total Community Centre Renovation Grant Program (CCRGP)	2-56	2,000	2,000	2,000	2,000	2,000	965	965	9,930
Community Incentive Grant Program (CIGP)									
- Cash to Capital		1,767	1,000						1,000
- External Debt				1,000	1,000				2,000
- Transfer from Prior Year Authorization		194							
Total Community Incentive Grant Program (CIGP)	2-57	1,961	1,000	1,000	1,000				3,000
Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability									
- Cash to Capital			2,600			1,638	1,690	2,000	7,928
- External Debt		5,123	2,000	2,000	1,000	45			5,045
- Federal Gas Tax					1,000				1,000
- Transfer from Prior Year Authorization						317	310		627
Total Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability	2-58	5,123	4,600	2,000	2,000	2,000	2,000	2,000	14,600
Assiniboine Park Conservancy (APC) - Capital Development Plan									
- External Debt		4,728							
Millennium Library Community Connections Space									
- Destination Marketing Reserve	2-59		236						236
TOTAL COMMUNITY SERVICES		30,640	13,646	12,235	5,525	4,785	4,724	4,835	45,750

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
WINNIPEG POLICE SERVICE									
East District Police Station									
- Cash to Capital		1,056	1,056	1,056	1,056	1,089	1,155	1,155	6,567
- Public Private Partnership Lease Payments		(1,056)	(1,056)	(1,056)	(1,056)	(1,089)	(1,155)	(1,155)	(6,567)
Total East District Police Station	2-60								
Major Case Management System									
- Transfer from Prior Year Authorization		1,158							
Police Divisions Systems Upgrades		400							
Evidence Archival Building - Tenant Improvement									
- External Debt	2-61	500	500						500
Technology Upgrades - Information Systems	2-62	1,200					1,325	112	1,437
North Station Information Technology Requirements	2-63	300		190					190
In Car Computing	2-64	1,000	500					1,736	2,236
Evidence Archive Building - Racking System									
- External Debt	2-65		841						841
North District Station - Furniture, Fixtures, and Equipment	2-66			700					700
Computer Assisted Dispatch Upgrade	2-67		325			375			700
Next Generation 911	2-68		800	1,000					1,800
Automated Fingerprint Identification System (AFIS)	2-69			500					500
Police Headquarters Information System Upgrades	2-70			2,100					2,100
Schedule and Management System Upgrade	2-71			500					500
Technological Crime Infrastructure	2-72						380		380
Building Security System Evergreening	2-73					159			159
Flight Operations Overhaul	2-74				602				602
Flight Operations - Forward Looking Infra-Red (FLIR) Equipment	2-75				792				792
Technical Surveillance Systems	2-76				400				400
Communication Sites Upgrade - Audio Loggers	2-77				1,453				1,453
Call Answer Software	2-78					1,000			1,000
Communication Sites - Radio Consoles/Batteries	2-79						575		575
E-ticketing Hardware	2-80						375		375
Indoor Firing Range	2-81					150			150
Active Shooter Response Training Facility	2-82					150			150
Vehicle Inspections - Weigh Scale	2-83							250	250
Police Vehicle Operations - Facility	2-84				1,800	1,200			3,000
TOTAL WINNIPEG POLICE SERVICE		4,558	2,966	4,990	5,047	3,034	2,655	2,098	20,790

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
FIRE PARAMEDIC SERVICE									
Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation									
- External Debt					12,839				12,839
- Interim Financing from Land Operating Reserve / (Repayment)					600		(600)		
- Land Operating Reserve							600		600
Total Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation	2-85				13,439				13,439
Facility Optimization - Waverley West Station									
- External Debt			1,192			3,927			5,119
- Impact Fee Reserve						7,000			7,000
Total Facility Optimization - Waverley West Station	2-86		1,192			10,927			12,119
Equipment Obsolescence									
- External Debt			4,501	304	1,963	106	120	26	7,020
- Shared Health Capital Grant		1,014	731	739	520	270	220	100	2,580
- External Debt on behalf of Shared Health					1,369	465	677	1,012	3,523
- Internal Financing		399							
Total Equipment Obsolescence	2-87	1,413	5,232	1,043	3,852	841	1,017	1,138	13,123
Station Capital Maintenance									
- External Debt			1,504	610			158		2,272
- Shared Health Capital Grant		519	633	250					883
- External Debt on behalf of Shared Health			2,444	511	101	601	493	481	4,631
- Internal Financing		2,148							
- Transfer from Prior Year Authorization		780							
Total Station Capital Maintenance	2-89	3,447	4,581	1,371	101	601	651	481	7,786
Emergency Medical Services (EMS) Training Equipment									
- Shared Health Capital Grant	2-91		107						107
Computer Aided Dispatch (CAD) and Supporting Software Systems									
- Shared Health Capital Grant		344							
- Internal Financing		10,881							
Total Computer Aided Dispatch (CAD) and Supporting Software Systems		11,225							
TOTAL FIRE PARAMEDIC SERVICE		16,085	11,112	2,414	17,392	12,369	1,668	1,619	46,574

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
PLANNING, PROPERTY AND DEVELOPMENT									
Computer Automation	2-92	133	106	100			100		306
Riverbank Greenway Programs		205							
Cemeteries - Improvements									
- Cash to Capital		240	248	236					484
- Veterans Affairs Canada		700	800	700	150				1,650
Total Cemeteries - Improvements	2-93	940	1,048	936	150				2,134
Downtown Enhancement Program									
- Cash to Capital					100	228	237	151	716
- Internal Financing		333							
Total Downtown Enhancement Program	2-94	333			100	228	237	151	716
BIZ Zones, Image Routes and Neighbourhood Main Streets									
- Cash to Capital			352		126			151	629
- Internal Financing		332							
Total BIZ Zones, Image Routes and Neighbourhood Main Streets	2-96	332	352		126			151	629
Public Art Strategy	2-97	250	200						200
Developer Payback	2-98	292		137	100				237
Riverbank Stabilization - Physical Asset Protection									
- Cash to Capital			500	100					600
- External Debt		500							
- Transfer from Prior Year Authorization			1,641						1,641
Total Riverbank Stabilization - Physical Asset Protection	2-99	500	2,141	100					2,241
Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities)	2-101		1,000						1,000
Digital Permitting									
- Permit Reserve	2-102		1,215	1,947	1,019				4,181
TOTAL PLANNING, PROPERTY AND DEVELOPMENT		2,985	6,062	3,220	1,495	228	337	302	11,644

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
MUNICIPAL ACCOMMODATIONS									
General Building Renovation and Refurbishing		**180**							
Public Safety Building and Civic Centre Parkade									
- Transfer from Winnipeg Parking Authority SOA (Proceeds from sale of Winnipeg Square Parkade held in Land Operating Reserve)		**4,405**							
- External Debt		**6,055**							
Total Public Safety Building and Civic Centre Parkade		**10,460**							
Accommodation Facilities									
- Cash to Capital		**19**							
- Land Operating Reserve		**2,000**							
Total Accommodation Facilities		**2,019**							
Fire / Life Safety / Regulatory Upgrades									
- Cash to Capital		**45**							
- Internal Financing		**759**							
Total Fire / Life Safety / Regulatory Upgrades		**804**							
Energy Conservation		**158**							
Historic Buildings									
- Internal Financing		**214**							
Generator Set Replacement and Upgrades									
- Internal Financing		**113**							
Security / Building Automation System Initiatives									
- Cash to Capital		**215**							
- Internal Financing		**255**							
Total Security / Building Automation System Initiatives		**470**							
Community Centres - Refurbishing and Improvements									
- Federal Gas Tax / Surplus		**299**							
- Internal Financing		**374**							
Total Community Centres - Refurbishing and Improvements		**673**							
Arenas									
- Internal Financing		**525**							
Indoor Aquatic Facilities									
- Cash to Capital		**408**							
- Internal Financing		**1,086**							
- Transfer from Prior Year Authorization		**111**							
Total Indoor Aquatic Facilities		**1,605**							

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
Outdoor Aquatic Facilities									
- Federal Gas Tax / Surplus		169							
Recreation & Leisure Centres									
- Federal Gas Tax / Surplus		106							
Building Asset / Work Management Program		175							
UFF - Hockey Pen Light Standard Replacement									
- Internal Financing		100							
City-Wide Accessibility Program									
- Internal Financing		425							
Transcona Centennial Pool									
- Transfer from Prior Year Authorization	2-103		100						100
Sherbrook Pool Reopening									
- Kinsmen Club of Winnipeg (Sponsor Winnipeg)		95	48	48	48				144
- Interim Financing from General Capital Fund / (Repayment)		(95)	(48)	(48)	(48)				(144)
Total Sherbrook Pool Reopening	2-104								
Strategic Facilities Master Plan									
- Land Operating Reserve	2-106		450	250					700
Carlton Walkways									
- External Debt	2-107		2,344						2,344
Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility									
- Cash to Capital			113	1,122	831	687		943	3,696
- Land Operating Reserve			1,700	1,700			1,700		5,100
- Federal Gas Tax					100	646	960		1,706
- External Debt				451					451
Total Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility	2-108		1,813	3,273	931	1,333	2,660	943	10,953
TOTAL MUNICIPAL ACCOMMODATIONS		18,196	4,707	3,523	931	1,333	2,660	943	14,097
CITY CLERKS									
Corporate Records Centre	2-110				100				100
Election Systems	2-111			100	110			100	310
Audio / Video Equipment Replacement	2-112					100			100
TOTAL CITY CLERKS				100	210	100		100	510

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CAPITAL PROJECT SUMMARY (*in Thousands of $*)	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
INNOVATION, TRANSFORMATION AND TECHNOLOGY									
Innovation Strategy									
- Cash to Capital			500						500
- Internal Financing		1,000	500	750	500	250			2,000
- Transfer from Prior Year Authorization			360						360
Total Innovation Strategy	2-113	1,000	1,360	750	500	250			2,860
Smart Cities Innovation Program									
- Cash to Capital			500						500
- Internal Financing		1,000	500	750	500	250			2,000
Total Smart Cities Innovation Program	2-115	1,000	1,000	750	500	250			2,500
Enterprise Computing Initiatives									
- Cash to Capital				1,190	1,172	1,103	574	1,181	5,220
- External Debt		1,026	1,962	901					2,863
- Transfer from Prior Year Authorization								775	775
Total Enterprise Computing Initiatives	2-117	1,026	1,962	2,091	1,172	1,103	574	1,956	8,858
Communications Network Infrastructure									
- Cash to Capital					186	243	476		905
- External Debt			385	301					686
- Transfer from Prior Year Authorization				94	998	680		447	2,219
- Internal Financing		298							
Total Communications Network Infrastructure	2-118	298	385	395	1,184	923	476	447	3,810
Printing Graphics & Mail Services Asset Renewal									
- Transfer from Prior Year Authorization	2-119			350					350
Information Security Initiatives									
- External Debt			136						136
- Transfer from Prior Year Authorization				194	140	144	199	776	1,453
- Internal Financing		365							
Total Information Security Initiatives	2-120	365	136	194	140	144	199	776	1,589
Microsoft Office License Evergreen									
- Cash to Capital							243		243
- External Debt		1,375	711						711
- Transfer from Prior Year Authorization					633		559		1,192
Total Microsoft Office License Evergreen	2-121	1,375	711		633		802		2,146
Tait Radio Replacement									
- External Debt		48							
- Internal Financing		1,854							
Total Tait Radio Replacement		1,902							

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
PeopleSoft Enhancements									
- Internal Financing		892							
Enterprise Content Management									
- Cash to Capital			660						660
- Internal Financing		1,102	440						440
Total Enterprise Content Management	2-122	1,102	1,100						1,100
Microsoft Development Network Software Renewal									
- External Debt		247							
- Transfer from Prior Year Authorization					231			253	484
Total Microsoft Development Network Software Renewal	2-123	247			231			253	484
Geographic Information System Aerial Image Renewal Program									
- Transfer from Prior Year Authorization	2-124			161				187	348
Communications Systems Branch Facilities									
- Internal Financing		174							
E-Mail Archiving									
- Internal Financing		484							
Disaster Recovery Gap Mitigation Phase 1									
- External Debt		954							
Corporate VoIP Phone System									
- Transfer from Prior Year Authorization	2-125			160					160
Intake Program									
- External Debt			111						111
- Transfer from Prior Year Authorization			11	100	100	100	100		411
- Internal Financing		534							
Total Intake Program	2-126	534	122	100	100	100	100		522
TOTAL INNOVATION, TRANSFORMATION AND TECHNOLOGY		11,353	6,776	4,951	4,460	2,770	2,151	3,619	24,727
CUSTOMER SERVICE AND COMMUNICATIONS									
311 Renewal	2-127		122	100		100			322
TOTAL CUSTOMER SERVICE AND COMMUNICATIONS			122	100		100			322
ASSESSMENT AND TAXATION									
Assessment Automation	2-128	350		237	312		250	312	1,111
Local Improvements - Ongoing Program									
- Cash to Capital		180			100			100	200
- Transfer from Prior Year Authorization (Cash to Capital)		220							
- Transfer from Prior Year Authorization (External Debt)		880							
- External Debt		720	630	350		480	147		1,607
Total Local Improvements - Ongoing Program	2-129	2,000	630	350	100	480	147	100	1,807
TOTAL ASSESSMENT AND TAXATION		2,350	630	587	412	480	397	412	2,918

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
TRANSIT									
Transit Information Technology Program (formerly Innovative Transit Program)	2-130	700		500	325	500	325	325	1,975
Transit Building Replacement / Refurbishment	2-131		336	600	600	828	881	600	3,845
Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade)									
- Cash to Capital		522		1,947	1,500	1,500			4,947
- Public Transit Infrastructure Fund (Federal Government)		875							
- Public Transit Infrastructure Fund (Provincial Government)		438							
- External Debt			1,500				1,800		3,300
- Retained Earnings		500							
Total Transit Roof Replacement and Ventilation Upgrade	2-132	2,335	1,500	1,947	1,500	1,500	1,800		8,247
Garage Improvements - Phase 2									
- Cash to Capital		750							
- Public Transit Infrastructure Fund (Federal Government)		750							
Total Garage Improvements - Phase 2		1,500							
Transit Buses									
- Cash to Capital			1,969	3,979	4,331	5,390	4,491	3,774	23,934
- Transit Bus Replacement Reserve							10,889	12,268	23,157
- Federal Gas Tax		16,188	6,442	6,735	6,735	7,027	7,627	7,627	42,193
- External Debt		4,889	8,549	10,424	10,671	9,943			39,587
- Transfer from Prior Year Authorization - Federal Gas Tax		1,132							
- Retained Earnings			4,000						4,000
Total Transit Buses	2-133	22,209	20,960	21,138	21,737	22,360	23,007	23,669	132,871
Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass									
- Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve		1,780	14,460	14,720	14,760	14,880	15,190	15,280	89,290
- P3 Annual Service / Financing Payments (Province)		(80)							
- P3 Annual Service / Financing Payments (City)		(1,700)	(11,070)	(11,330)	(11,370)	(11,490)	(11,800)	(11,890)	(68,950)
- External Debt Annual Service Payments (City)			(3,390)	(3,390)	(3,390)	(3,390)	(3,390)	(3,390)	(20,340)
Total Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass	2-135								

CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	FORECAST 2022	FORECAST 2023	FORECAST 2024	FORECAST 2025	6 YEAR TOTAL 2020-2025
Transit Safety Management Practices									
- Retained Earnings		165							
Accessibility Program	2-137	500	500	250	250	250	250	250	1,750
Bus Communication Modernization									
- Federal Gas Tax		1,140							
Heavy Shop Equipment Replacement Program									
- Cash to Capital		928		200	200	200	200	200	1,000
- Public Transit Infrastructure Fund (Federal Government)		877							
Total Heavy Shop Equipment Replacement Program	2-138	1,805		200	200	200	200	200	1,000
Hoist Replacement at Fort Rouge Garage									
- Cash to Capital		750				545	2,271		2,816
- Public Transit Infrastructure Fund (Federal Government)		650							
- External Debt			1,500	2,500	1,500	955	1,729		8,184
Total Hoist Replacement at Fort Rouge Garage	2-139	1,400	1,500	2,500	1,500	1,500	4,000		11,000
Rapid Overhead Doors at Washrack									
- Cash to Capital		350							
- Public Transit Infrastructure Fund (Federal Government)		250							
Total Rapid Overhead Doors at Washrack		600							
Administration and Control Centre Radio Replacement									
- Retained Earnings		1,000							
Land Acquisition									
- Retained Earnings		1,000							
Bus Operator Compartment Safety Shields									
- Cash to Capital		3							
- Federal Gas Tax		551							
- Retained Earnings		2,596							
Total Bus Operator Compartment Safety Shields		3,150							
Electric Bus Study									
- Retained Earnings		1,000							
Heated Bus Shelter Program									
- Cash to Capital		536							
- Retained Earnings		495	1,500	1,500	1,500	1,500			6,000
Total Heated Bus Shelter Program	2-140	1,031	1,500	1,500	1,500	1,500			6,000
Low Income Bus Pass									
- Retained Earnings	2-141	236	139						139
TOTAL TRANSIT		39,771	26,435	28,635	27,612	28,638	30,463	25,044	166,827

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CAPITAL PROJECT SUMMARY *(in Thousands of $)*	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
WATERWORKS SYSTEM									
Waterworks System - Supply and Treatment									
Financed by Waterworks Retained Earnings:									
Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation)	2-142		200	520	2,000	1,030	1,650	3,700	9,100
Shoal Lake Aqueduct Intake Facility Rehabilitation	2-143			2,050	5,450		4,265	585	12,350
Branch Aqueduct Condition Assessment and Rehabiliation (formerly Aqueduct Condition Assessment and Rehabilitation)									
- Retained Earnings						1,000		1,000	2,000
- Transfer from Prior Year Authorization - Retained Earnings			1,000						1,000
Total Branch Aqueduct Condition Assessment and Rehabilitation	2-144		1,000			1,000		1,000	3,000
Tache Booster Pumping Station	2-145	785		1,000			1,300	685	2,985
Pumping Stations and Reservoirs Structural Upgrades	2-146		800						800
Chlorination Upgrading at Pumping Stations	2-147			3,575					3,575
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	2-148	4,125	2,690						2,690
Waterworks System Security Upgrades	2-149		500						500
Regulatory Assessment of Water System Infrastructure and Supply Sources	2-150			575					575
Deacon Reservoir Cell Rehabilitation	2-151							100	100
Deacon Booster Pumping Station Suction Header Divider Wall and Valve	2-152				350	985			1,335
Deacon Site Flood Protection									
- Retained Earnings			25						25
- Transfer from Prior Year Authorization - Retained Earnings			1,825						1,825
Total Deacon Site Flood Protection	2-153		1,850						1,850
HVAC Upgrades at Pumping Stations	2-154		4,090						4,090
Ultraviolet Light Disinfection System Upgrade									
- Retained Earnings				1,735					1,735
- Transfer from Prior Year Authorization - Retained Earnings			855						855
Total Ultraviolet Light Disinfection System Upgrade	2-155		855	1,735					2,590
Discharge Meter Upgrades at the In-town Pumping Stations	2-156	150		3,950					3,950
Water Treatment Plant Asset Refurbishment and Replacement Program	2-157	575	470	5,530					6,000
Pumping Stations Reliability Upgrades	2-158			200					200
Study of Backup Power Supply for the Hurst Pumping Station	2-159			425					425
Water Conservation and Efficiency Study		155							
Total Waterworks System - Supply and Treatment		5,790	12,455	19,560	7,800	3,015	7,215	6,070	56,115

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CAPITAL PROJECT SUMMARY (in Thousands of $)	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
Waterworks System - Distribution									
Financed by Waterworks Retained Earnings:									
Feeder Main Condition Assessment and Rehabilitation	2-160	**350**	**3,550**	**200**	**500**	**200**	**1,150**	**1,860**	**7,460**
Water Meter Renewals									
- Retained Earnings			**450**						**450**
- Water Meter Renewal Reserve								**16,000**	**16,000**
Total Water Meter Renewals	2-161		**450**					**16,000**	**16,450**
Public Water Outlets		**475**							
Water Main Renewals									
- Water Main Renewal Reserve	2-162	**16,500**	**17,500**	**18,000**	**18,500**	**19,000**	**20,000**	**20,500**	**113,500**
Customer Billing and Work Management Systems Upgrades Program	2-163	**185**	**1,045**	**2,200**	**350**	**550**	**750**	**600**	**5,495**
Customer Care and Billing - iNovah Integration		**130**							
Automated Remittance Processing		**400**							
Application and Data Integration	2-164		**250**	**250**	**350**	**400**	**565**	**515**	**2,330**
Digital Enablement for Plant and Field Employees	2-165	**530**	**1,300**	**750**	**750**	**750**	**500**	**500**	**4,550**
Information Technology Cybersecurity Review		**340**							
GIS Enhancements		**300**							
Laboratory Information Management System Upgrade and Enhancement	2-166		**1,050**						**1,050**
Total Waterworks System - Distribution		**19,210**	**25,145**	**21,400**	**20,450**	**20,900**	**22,965**	**39,975**	**150,835**
TOTAL WATERWORKS SYSTEM (Utility Supported)		**25,000**	**37,600**	**40,960**	**28,250**	**23,915**	**30,180**	**46,045**	**206,950**
SEWAGE DISPOSAL SYSTEM									
Sewage Disposal System - Treatment									
Financed by Sewage Disposal System Retained Earnings:									
Sludge Drying Beds Decommissioning	2-167						**375**		**375**
Process Control System Master Plan and Upgrade	2-168			**3,000**			**7,000**		**10,000**
Asset Refurbishment and Replacement Program									
- Retained Earnings		**5,000**	**6,000**	**5,000**	**2,000**	**5,000**	**5,000**	**5,000**	**28,000**
- Transfer from Prior Year Authorization - Retained Earnings		**1,000**							
Total Asset Refurbishment and Replacement Program	2-169	**6,000**	**6,000**	**5,000**	**2,000**	**5,000**	**5,000**	**5,000**	**28,000**
West End Sewage Treatment Plant (WEWPCC) - Facilities Plan	2-170			**500**					**500**
Total Sewage Disposal System - Treatment		**6,000**	**6,000**	**8,500**	**2,000**	**5,000**	**12,375**	**5,000**	**38,875**

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Sewage Disposal System - Collection									
Financed by Sewage Disposal System Retained Earnings:									
Arc Flash Hazard Analysis and Remediation	2-171	**879**	**385**	**320**	**270**				**975**
D'Arcy Lift Station Load Shedding Upgrade	2-172			**400**					**400**
Lift Stations Upgrading	2-173	**2,825**	**2,925**	**6,250**	**6,250**	**3,250**	**6,500**	**7,000**	**32,175**
River Crossings Monitoring and Rehabilitation									
- Retained Earnings		**450**	**6,200**	**950**	**1,700**	**600**		**5,000**	**14,450**
- Transfer from Prior Year Authorization - Retained Earnings		**250**							
Total River Crossings Monitoring and Rehabilitation	2-174	**700**	**6,200**	**950**	**1,700**	**600**		**5,000**	**14,450**
Combined Sewer Overflow and Basement Flood Management Strategy									
- Environmental Projects Reserve	2-175	**31,100**	**31,610**	**23,110**	**29,120**	**30,000**	**32,000**	**34,160**	**180,000**
Comminutor Chamber Rehabilitation Program	2-176	**1,200**	**1,300**						**1,300**
Southwest Interceptor River Crossing	2-177	**1,100**					**5,000**	**35,000**	**40,000**
Wastewater Services Facilities Plan	2-178		**350**						**350**
Environmental Standards Laboratory Facility Plan	2-179						**530**		**530**
Sewer Renewals									
- Sewer System Rehabilitation Reserve		**17,500**	**7,000**	**17,500**	**18,000**	**18,500**	**21,000**	**21,000**	**103,000**
- Transfer from Prior Year Authorization			**10,000**						**10,000**
Total Sewer Renewals	2-180	**17,500**	**17,000**	**17,500**	**18,000**	**18,500**	**21,000**	**21,000**	**113,000**
Departmental Levels of Service Framework	2-181		**200**						**200**
Water and Waste Department (WWD) Business Intelligence	2-182	**600**	**1,050**	**1,550**	**300**	**300**	**1,100**	**550**	**4,850**
Customer Billing and Work Management Systems Upgrades Program	2-183	**185**	**1,045**	**2,200**	**350**	**550**	**750**	**600**	**5,495**
Digital Customer Solutions	2-184	**1,600**	**500**	**500**	**350**	**350**	**715**	**715**	**3,130**
WWD Document Management System	2-185	**500**	**500**	**250**	**250**				**1,000**
WWD Learning Management System	2-186						**565**		**565**
Total Sewage Disposal System - Collection		**58,189**	**63,065**	**53,030**	**56,590**	**53,550**	**68,160**	**104,025**	**398,420**
TOTAL SEWAGE DISPOSAL SYSTEM (Utility Supported)		**64,189**	**69,065**	**61,530**	**58,590**	**58,550**	**80,535**	**109,025**	**437,295**
SOLID WASTE DISPOSAL SYSTEM									
Solid Waste Disposal System - Landfill									
Financed by Landfill Rehabilitation Reserve:									
Brady Road Resource Management Facility - Cell Construction									
- Retained Earnings	2-187	**2,500**	**700**	**1,200**	**750**	**1,300**	**500**		**4,450**
Brady Road Resource Management Facility - Site Improvements	2-188	**200**		**200**					**200**
Brady Road Resource Management Facility - Alternative Energy Project									
- External Debt	2-189				**2,500**				**2,500**
Brady Road Resource Management Facility - Onsite Leachate Management		**450**							
Closed Landfill Site Improvement	2-190	**225**	**970**	**100**	**100**	**100**			**1,270**
Soil Fabrication for Landfill Cover	2-191			**1,250**	**1,300**	**1,300**	**1,350**	**1,400**	**6,600**
Total Solid Waste Disposal System - Landfill		**3,375**	**1,670**	**2,750**	**4,650**	**2,700**	**1,850**	**1,400**	**15,020**

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Solid Waste Disposal System - Collection									
Financed by Solid Waste Disposal Waste Diversion Reserve:									
Comprehensive Integrated Waste Management Strategy (CIWMS) - Materials Recovery Facility Education Centre									
- Transfer from Prior Year Authorization - External Debt		**250**							
Comprehensive Integrated Waste Management Strategy (CIWMS) - Review	2-192					**450**			**450**
Source Separated Organics - First charge against the 2020 Capital Budget of up to $1.8 million (Council December 12, 2019)	2-193		**1,800**						**1,800**
Collection Management System	2-194				**250**				**250**
Total Solid Waste Disposal System - Collection		**250**	**1,800**		**250**	**450**			**2,500**
TOTAL SOLID WASTE DISPOSAL SYSTEM (Utility Supported)		**3,625**	**3,470**	**2,750**	**4,900**	**3,150**	**1,850**	**1,400**	**17,520**
LAND DRAINAGE UTILITY									
Land Drainage and Flood Control									
Financed by Transfer from Sewage Disposal System Fund:									
Flood Pumping Station Rehabilitation									
- Transfer from Sewage Disposal System Fund		**129**	**500**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**5,500**
- Transfer from Prior Year Authorization		**871**	**500**						**500**
Total Flood Pumping Station Rehabilitation	2-195	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Land Drainage Sewers - Regional / Local Streets	2-196	**1,000**					**100**	**100**	**200**
Land Drainage and Combined Sewers Outfall Gate Structures	2-197	**1,870**	**2,680**						**2,680**
Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments)	2-198			**430**			**485**		**915**
Lot 16 Drain Slope Stabilization Works		**1,175**							
St. Boniface Hospital Primary Line of Defence (PLD) Slope Stability Analysis and Stabilization Works		**150**							
Outfall Rehabilitation	2-199	**2,000**	**2,000**	**2,000**	**4,000**	**3,500**	**3,500**	**4,000**	**19,000**
Development Agreement Paybacks									
- Developer Capacity Charges				**500**	**700**	**1,000**	**1,700**	**500**	**4,400**
- Transfer from Sewage Disposal System Fund				**540**					**540**
Total Development Agreement Paybacks	2-200			**1,040**	**700**	**1,000**	**1,700**	**500**	**4,940**
TOTAL LAND DRAINAGE UTILITY (Utility Supported)		**7,195**	**5,680**	**4,470**	**5,700**	**5,500**	**6,785**	**5,600**	**33,735**

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CAPITAL PROJECT SUMMARY (*in Thousands of $*)	PAGE NO.	ADOPTED BUDGET 2019	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL 2020-2025
SPECIAL OPERATING AGENCIES									
WINNIPEG FLEET MANAGEMENT AGENCY									
Financed by Accumulated Surplus (Retained Earnings):									
Shop Tools & Equipment Upgrades	2-201	**627**	**255**	**265**	**245**	**255**	**255**	**255**	**1,530**
Power Tools	2-202	**150**	**125**	**125**	**125**	**125**	**125**	**125**	**750**
Fuel Site Upgrades and Improvements	2-203	**200**	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Building Renovations	2-204		**214**	**160**	**225**	**190**	**197**	**197**	**1,183**
Fleet Asset Acquisitions - External Debt	2-205	**22,336**	**15,178**	**15,670**	**15,670**	**15,670**	**15,670**	**15,670**	**93,528**
Fleet Software Application	2-206			**929**					**929**
TOTAL WINNIPEG FLEET MANAGEMENT AGENCY		**23,313**	**15,972**	**17,349**	**16,465**	**16,440**	**16,447**	**16,447**	**99,120**
WINNIPEG PARKING AUTHORITY									
Financed by Accumulated Surplus (Retained Earnings):									
Automated License Plate Recognition (ALPR) Program	2-207	**121**	**178**	**126**	**172**	**137**	**238**	**149**	**1,000**
Parking Access & Revenue Control System	2-208		**373**						**373**
Enhanced Security - Millennium Library Parkade - Destination Marketing Reserve	2-209		**100**						**100**
TOTAL WINNIPEG PARKING AUTHORITY		**121**	**651**	**126**	**172**	**137**	**238**	**149**	**1,473**

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Capital Project Detail

2020 Preliminary Capital Budget and 2021 to 2025 Five-Year Forecast

Notes:

1. Capital Budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership Proposals)

2. The Public Service uses a cost estimate classification determined using AACE International Recommended Practices for capital budget estimates – see Appendix 2.

3. Included in the capital project authorizations are corporate and departmental overhead amounts (FTE related costs, administrative costs, etc.). Consistent with asset management principles, specific recoveries are included in the capital project business case/basis of estimate. Actual expenses may vary from budget depending on in-year circumstances.

4. Included in the capital budget authorizations, for Public Works only, are amounts for Strategic Municipal Infrastructure Research (SMIR), not to exceed 0.5% of tax-supported infrastructure preservation capital budgets, as approved by Council on April 30, 2003. Infrastructure is defined as permanent physical systems of a community, including roadways, utilities, water, sewage, buildings and parks. SMIR funding is essential to undertake research that will optimize life cycle costs and innovate to provide the best value for construction and preservation of Public Works infrastructure.

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Winnipeg Parking Authority 2-207

Project Name: **Pedestrian and Cycling Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1832000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	3,622	1,852	1,650	1,590	1,651	1,683	8,426	12,048
Financed by:									
Cash to Capital		1,178	1,314	673	190	251	283	2,711	3,889
Interim Financing from General Capital Fund / (Repayment)	3,850	(2,365)	(1,062)	(423)				(1,485)	(3,850)
Federal Gas Tax		2,874	1,600	1,400	1,400	1,400	1,400	7,200	10,074
Transfer from Corporate Non-specified Capital Account		1,807						-	1,807
Transfer from Prior Year Authorization		128						-	128

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,724	2,314	1,776	1,662	1,642	1,678	252	12,048
Financed by:								
Cash to Capital	1,001	1,295	769	262	242	278	42	3,889
Interim Financing from General Capital Fund / (Repayment)	(2,365)	(1,062)	(423)					(3,850)
Federal Gas Tax	2,443	1,791	1,430	1,400	1,400	1,400	210	10,074
Transfer from Corporate Non-specified Capital Account	1,536	271						1,807
Transfer from Prior Year Authorization	109	19						128

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,178	1,314	673	190	251	283
Total Direct Costs	1,178	1,314	673	190	251	283
Less: Incremental Revenue/Recovery	40	39	29	26	25	27
Net Cost/(Benefit)	1,138	1,275	644	164	226	256
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Projects in 2020 will not proceed to construction until a class 3 estimate is obtained.

Any surplus funds will automatically be transferred to the following years Pedestrian and Cycling Program Budget.

The Director of Public Works may be required to reallocate funds within the Pedestrian and Cycling Program based on financing requirements.

On July 15, 2015, Council approved the Winnipeg Pedestrian and Cycling Strategies (PCS) with the following motion: All costs included in the Pedestrian and Cycling Strategies are estimates, no budget allocation is included with the approval of the Pedestrian and Cycling Strategies document, and all projects and project costs relating to the Pedestrian and Cycling Strategies document will be considered by City Council through the annual budget process. Pedestrian and Cycling Action Plans will be presented to the Standing Policy Committee for information on a yearly basis to provide status updates on previous and current projects.

Pedestrian and Cycling Program (continued):

On July 13, 2016, Council approved the recommendation of the Standing Policy Committee on Infrastructure Renewal and Public Works: That all projects related to the Pedestrian and Cycling Strategies document be submitted to the Standing Policy Committee on Infrastructure Renewal and Public Works for recommendation to Council.

Funding includes budgeted amounts from previously authorized capital projects from 2011 - see Appendix 4.

The Pedestrian and Cycling Program supports the delivery of the City's long-term vision to maximize transportation options by ensuring the accessibility, comfort, and safety of walking and cycling in Winnipeg.

Budget is used for the construction of new pedestrian and cycling facilities, facilities enhancements, studies and support for public education, awareness and promotions of walking and cycling. Funding is also used to support public engagement and design studies in advance of planned road renewals.

On September 27, 2017, Council approved a first charge against the 2018 Capital Budget of up to $2.250 million for the Protected Bike Lanes McDermot Avenue/Bannatyne Avenue (Phase 2) project, and approved an additional $3.850 million in 2017 financed by Interim Financing from General Capital Fund for Chief Peguis Trail - Kildonan Settlers Bridge Pedestrian and Cycling Improvements. Interim financing repayments will be completed by 2022.

On April 25, 2019, Council adopted that the estimated $40 million in additional dollars in Federal Gas Tax funding, included in the 2019 Federal Budget, be allocated as follows:

• $19.25 million for 2019 Residential road renewals,

• $0.75 million for three active transportation functional design projects,

• $2.5 million to support road side safety measures in 2019, and

• up to $20 million for road renewals and active transportation projects in 2020.

On July 9, 2019, the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million will be allocated to 2019 projects, as approved by Council April 25, 2019. $20 million will be allocated to Local Street Renewals in 2020 and $1.59 million will be allocated to the Pedestrian and Cycling Program in 2020.

* N/A - No amounts have been included in the "Previous Budgets" due to this projects on-going nature.

The Pedestrian and Cycling Program supports the following program areas:

New Regional Sidewalks

Construction of new sidewalks on regional streets where none presently exist and where provision is warranted. Provides additional funding to support pedestrian crossings improvements and/or crossing upgrades on regional streets. Future locations that are to be determined will be identified through the annual Pedestrian and Cycling Action Plan or through the yearly capital budget process.

New Non-Regional Sidewalks

Construction of new sidewalks on non-regional streets must meet at least one of the following:

• connect existing sidewalks to a significant destination business/public facility/senior facility, etc.

• is located within 1.5 km of a school and has been identified by a Neighbourhood Based Consultation process (for example a School Travel Plan or Neighbourhood Area Plan);

• is required to connect pedestrians to a bus stop, where the property owners fronting the proposed sidewalk are not considered to be the main or a major benefiter from the new sidewalk, and likely would not support the sidewalk as a Local Improvement.

Future locations that are to be determined will be identified through the annual Pedestrian and Cycling Action Plan or through the yearly capital budget process.

Bicycle Corridors

Development of new bicycle facilities on the Bicycle Network as prioritized in the Pedestrian and Cycling Strategies. Provides support to complete gaps in the Bicycle Network. Supports the supply and installation of permanent and temporary bicycle parking through an annual Bicycle Parking Grant program. Provides additional funding to support the development of Neighbourhood Greenways during local street renewal projects. Considers support for a pedestrian and cycling monitoring strategy.

Public Education, Awareness and Promotion

Support educational programming, public safety and awareness in support of walking and cycling. Supports the promotion of new and existing pedestrian and cycling facilities including a walking and cycling communications strategy. Considers support for a City-wide wayfinding system.

Pedestrian and Cycling Program (continued):

Recreational Walkways and Bicycle Paths

Construction of new recreational walkways and off-street bicycle path facilities where no walkway or cycle facility presently exists, and where the provision of such a facility is warranted.

PEDESTRIAN AND CYCLING PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
Bicycle Corridors:							
St Boniface West -- East Corridor Study and Improvements	390						390
Maryland Ave/Sherbrook Ave Upgrade to Protected Bike Lane	100						100
Transcona Trail Extension Study and Construction		400			750		1,150
Wolseley to Downtown Phase 1 Construction	900	750					1,650
Speers Rd Bicycle Facility Construction	185						185
Neighbourhood Greenways	150	180	200	200	200	200	1,130
Harrow St - Southwest Transitway Multi-use Path Connection	200						200
North Winnipeg Parkway Construction			400				400
Ruby St / Banning St Neighbourhood Greenway Phase 1 Construction				800			800
Cyclist Detection Signal Actuation Select Locations			50			50	100
Recreational Walkways and Bicycle Paths:							
Sidewalks Regional and Non-Regional - Various Locations	200	202	250	275	346	348	1,621
The Forks - Red River Mutual Walking and Cycling Trail Improvements	30	60			20	20	130
Waverley Multi-use Path Extension - Chevrier Blvd to Scurfield Blvd	350						350
Bicycle Parking Partnership Grants	42	40	30	30	30	30	202
Togo Ave. to Churchill Dr. - Multi-use Path Extension	800		500				1,300
Northwest Hydro Corridor Phase 2 Construction- Church Ave to Casino						700	700
Public Education Awareness and Promotion:							
Communication and Promotions		20	20	25	25	25	115
Partnership Grant Program: International Trails Day (Winnipeg Trails) -- $9,000 Winnipeg Trails -- $10,000 Bike Week Winnipeg -- $40,000 Winnipeg Repair Education and Cycling Hub (WRENCH) -- $40,000 Moveable Feast (Downtown Winnipeg BIZ) --$1,750 Replace Downtown Bike Racks (Downtown Winnipeg BIZ) -- $14,500 Cycling Education and Promotion for Visitors and Commuters (Exchange District BIZ) -- $11,750 Bike Friendly Business (Exchange District BIZ) -- $2,000 Commuter Challenge (Green Action Centre) -- $18,000 Bike to School Month (Green Action Centre) -- $10,000 Bike Education and Skills Training (Green Action Centre) -- $18,000	175	160	160	160	160	160	975
Active Safe Routes to School, various locations	50	40	40	100	120	150	500
Pedestrian and Cycling Strategies Update (TMP)	50						50
Total Pedestrian and Cycling Program	**3,622**	**1,852**	**1,650**	**1,590**	**1,651**	**1,683**	**12,048**

Pedestrian and Cycling Program (continued):

The following projects include Active Transportation (AT) facilities funding:

	2020	2021	2022	2023	2024	2025	Total
Regional Street Renewals:							
Archibald St - St Catherine to Cottonwood - Reconstruct existing mulit-iuse path		275					275
Pandora Ave E - Day to Wayoata - multi-use path		300					300
Dunkirk Dr - Fermor to St Mary's - to be determined		**					-
Keewatin St - Selkirk to Logan - multi-use path		1,300					1,300
University Cres - Pembina to Chancellor Matheson - protected bike lanes		900	1,200				2,100
Leila Ave - McPhillips to McGregor - protected bike lanes			**				-
Pembina Hwy - McGillivray to Chevrier - buffered bike lanes			1,500				1,500
St Mary Ave - Memorial to Portage - protected bike lanes			500				500
Jubilee Ave - Osborne to Pembina - buffered bike lanes		800	400	800			2,000
Dakota St - St Mary's to Bishop Grandin - to be determined				**			-
Lagimodiere Blvd NB - Fermor to Cottonwood - to be determined				**			-
	-	**3,575**	**3,600**	**800**	**-**	**-**	**7,975**

** to be determined

Project Name: **Tache Promenade**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 6351800417
Service: City Beautification
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	10,000	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,000						-	1,000
Interim Financing from General Capital Fund / (Repayment)		(1,000)						-	(1,000)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	-	-	-
Financed by:								
Cash to Capital	1,000							1,000
Interim Financing from General Capital Fund / (Repayment)	(1,000)							(1,000)

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,000					
Total Direct Costs	1,000	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	1,000	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This capital project consisted of riverbank stabilization, construction of a Belvedere, including a public art component and expansion of the Tache Avenue sidewalk that forms part of the St. Boniface River Trail. The construction work was completed in 2019. The 2020 budget amount reflects pay back of interim financing.

Project Name: **Developer Payback - Various Locations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1807000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	9,750	-	-	-	-	-	-	9,750
Financed by:									
Cash to Capital		250						-	250
Federal Gas Tax		9,500						-	9,500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	9,750	-	-	-	-	-	-	9,750
Financed by:								
Cash to Capital	250							250
Federal Gas Tax	9,500							9,500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	250					
Total Direct Costs	250	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	250	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

A development agreement payback is the required funding to enable the City to fulfill a Council approved contractual obligation for certain works constructed by the developer within the right-of-way or to obtain land required to establish or expand right-of-ways.

The current funding requirements are based on planning level assessments. Projects in 2020 will not be repaid until a class 3 estimate is obtained.

Funds will be allocated to:	2020	2021	2022	2023	2024	2025	Total
Kildare Avenue extension (AG 10/13) - Class Estimate: 1 **	8,750						8,750
Bishop Grandin right-of-way (AG 19/16) - Class Estimate: 4	1,000						1,000
	9,750	**-**	**-**	**-**	**-**	**-**	**9,750**

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Includes $235,000 for an active transportation path.

Project Name: **Transportation Master Plan**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1833000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	875	125	250	-	-	-	375	1,250
Financed by:									
Cash to Capital		30	10	20				30	60
Federal Gas Tax		845	115	230				345	1,190

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	742	238	232	38	-	-	-	1,250
Financed by:								
Cash to Capital	25	13	19	3				60
Federal Gas Tax	717	225	213	35				1,190

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	30	10	20			
Total Direct Costs	30	10	20	-	-	-
Less: Incremental Revenue/Recovery	10	3	3	1		
Net Cost/(Benefit)	20	7	17	(1)	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Updating information that affects the recommendations in the Transportation Master Plan is necessary to account for temporal changes in land use and transportation needs. This is also required to meet the needs of OurWinnipeg and Complete Communities.

A comprehensive revision commenced in 2019 following the completion of the update to OurWinnipeg. A detailed cost breakdown to include a class 3 estimate for this major revision will be provided at an early stage in the project. The budget will be developed by the project team as part of the initial project management initialization phase. The project will not proceed until a class 3 estimate is obtained.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Traffic Signals Improvements**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831100120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	688	-	-	-	-	-	-	688
Financed by:									
Frontage Levy		688						-	688

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	585	103	-	-	-	-	-	688
Financed by:								
Frontage Levy	585	103						688

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	19	3				
Net Cost/(Benefit)	(19)	(3)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of:

- audible pedestrian signals following the 2008 agreement between the City of Winnipeg and the Human Rights Commission obligating the City to complete all installations by the year 2023. The installations are expected to be completed in 2020.

- pedestrian countdown signals, following a successful pilot project, completed in 2012.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Traffic Signals Loops**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831100220

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	250	250	250	250	250	250	1,250	1,500
Financed by:									
Frontage Levy		250	250	250	250	250	250	1,250	1,500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	213	250	250	250	250	250	37	1,500
Financed by:								
Frontage Levy	213	250	250	250	250	250	37	1,500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	7	8	8	8	8	8
Net Cost/(Benefit)	(7)	(8)	(8)	(8)	(8)	(8)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of vehicle detection loops in order to maintain proper (designed) operation of signalized intersections. If a location does not support installation of loops, such as private approaches, then non-intrusive detection will be evaluated and installed as funding is available.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Permanent Traffic Monitoring Stations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831200120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	623	-	-	-	-	-	-	623
Financed by:									
Frontage Levy		623						-	623

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	530	93	-	-	-	-	-	623
Financed by:								
Frontage Levy	530	93						623

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	17	3				
Net Cost/(Benefit)	(17)	(3)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This project is to implement a city-wide traffic monitoring system that will include installation of permanent traffic monitoring stations with a live traffic flow map and database to support active traffic management, by the Traffic Monitoring Centre, and short/long term transportation, utilities and development planning by Public Works, Water and Waste, and Planning, Property and Development departments.

* N/A - No amounts have been included in the "Previous Budgets" as it was an on-going program. This program terminates in 2020.

Project Name: **Traffic Engineering Improvements - Various Locations**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1831000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,900	1,560	1,177	1,119	1,200	1,229	6,285	8,185
Financed by:									
Frontage Levy		1,900	1,560	1,177	1,119	1,200	1,229	6,285	8,185

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,615	1,611	1,234	1,128	1,188	1,225	184	8,185
Financed by:								
Frontage Levy	1,615	1,611	1,234	1,128	1,188	1,225	184	8,185

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	52	52	40	37	39	40
Net Cost/(Benefit)	(52)	(52)	(40)	(37)	(39)	(40)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is an annual program which includes city-wide installation of:

- new full signals, half signals and pedestrian corridors based on priority warrant systems **
- roadside safety improvements
- traffic calming measures
- left turn signal phases
- traffic sign upgrades
- railway crossing safety improvements
- installation of permanent pavement markings
- research studies and operational reviews

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Locations are submitted to Standing Policy Committee on Infrastructure Renewal and Public Works for approval prior to construction.

Project Name: **Inner-Ring Road - Functional Design**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1803000124

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	551	-	551	551
Financed by:									
Federal Gas Tax						551		551	551

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	468	83	-	551
Financed by:								
Federal Gas Tax					468	83		551

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Commencement of a functional design study in 2024 to identify the requirements to achieve a limited access, high level of mobility Inner-Ring Road system utilizing roads within the Strategic Road Network as identified in the Transportation Master Plan.

Project Name: **Regional and Local Street Renewal**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1804000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	130,322	151,016	161,416	136,001	124,095	144,104	716,632	846,954
Financed by:									
Frontage Levy		269	2,677					2,677	2,946
Federal New Building Canada Fund (Regional)		25,000	26,000	24,000	13,000			63,000	88,000
Federal Gas Tax (Local)		8,314	7,323	12,000	1,885		5,588	26,796	35,110
Province of Manitoba Accelerated Regional Roads		15,000	29,100	29,100	9,800			68,000	83,000
Local Street Renewal Reserve		38,998	44,578	50,778	61,778	73,178	84,878	315,190	354,188
Regional Street Renewal Reserve		35,338	41,338	45,538	49,538	50,917	53,638	240,969	276,307
Reduction from the Regional and Local Street Reserves due to Province of Manitoba - 2018 Roads Funding Shortfall		(20,000)						-	(20,000)
External Debt		22,817						-	22,817
Prior Years Surplus		2,000						-	2,000
Developer Funding		2,586						-	2,586

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	110,711	152,339	159,856	136,918	124,411	141,103	21,616	846,954
Financed by:								
Frontage Levy	229	2,315	402					2,946
Federal New Building Canada Fund (Regional)	21,250	25,850	24,300	14,650	1,950			88,000
Federal Gas Tax (Local)	7,067	7,472	11,298	3,402	283	4,750	838	35,110
Province of Manitoba Accelerated Regional Roads	15,000	29,100	29,100	9,800				83,000
Local Street Renewal Reserve	33,148	43,741	49,848	60,128	71,468	83,123	12,732	354,188
Regional Street Renewal Reserve	30,037	40,438	44,908	48,938	50,710	53,230	8,046	276,307
Reduction from the Regional and Local Street Reserves due to Province of Manitoba - 2018 Roads Funding Shortfall	(20,000)							(20,000)
External Debt	19,394	3,423						22,817
Prior Year Surplus	2,000							2,000
Developer Funding	2,586							2,586

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	679	1,214	1,295	1,295	1,295	1,295
Transfer to General Capital Fund						
Total Direct Costs	679	1,214	1,295	1,295	1,295	1,295
Less: Incremental Revenue/Recovery	1,896	1,998	2,103	2,381	2,644	2,927
Net Cost/(Benefit)	(1,217)	(784)	(808)	(1,086)	(1,349)	(1,632)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Regional and Local Street Renewal (continued):

Class Estimate: Not applicable, as this is a scalable program

Projects in 2020 will not proceed to construction until a class 3 estimate is obtained.

Any surplus funds will automatically be transferred to the following years Regional and Local Street Renewal Program Budget.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Regional Street Renewal Program

The Regional Street Renewal program includes the renewal and reconstruction of the City's regional streets, sidewalks and recreational walkways/paths, as well as incorporating pedestrian and cycling facilities on regional street renewal projects where identified in the Winnipeg Pedestrian and Cycling Strategies. The program also funds the condition rating of regional streets. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

On May 14, 2008, Council concurred in the recommendation that a policy be adopted to incorporate Active Transportation facilities into any reconstruction or rehabilitation required on any infrastructure identified as an Active Transportation facility in the Proposed Active Transportation Network. On July 15, 2015, Council adopted the Pedestrian and Cycling Strategies as the long range pedestrian and cycling transportation policy for the City of Winnipeg. Depending on the proposed street renewal treatment and the planning and priority status of the proposed pedestrian and / or cycling facility, the Regional Street Renewal program may implement the intention of the Winnipeg Pedestrian and Cycling Strategies.

All Regional Street Renewal projects have a warranty period after substantial completion and/or in-service date for which costs may be incurred by the City. The Director of Public Works is authorized to establish projects to a maximum of $100,000 each to charge costs associated with warranty work should the related Regional Streets project be closed. The capital budget for the new project will be allocated from other surpluses within the program.

Any new projects using surplus funds in the 2020 Regional Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

A Regional Street Renewal Reserve was established in 2014 to increase investment in regional streets. A separate 1% property tax increase planned until 2022 and 0.3% thereafter, will continually fund this reserve each year to ensure a dedicated funding stream for regional streets.

Use of the Regional Street Renewal Reserve for purposes other than regional street, sidewalk or bridge renewals requires approval of 2/3 of City Council.

On March 22, 2018, the City received approval in principle from the Province and on September 4, 2018 received approval in principle from the Federal Government indicating the federal and provincial contributions towards the Accelerated Regional Renewals Application will be in the order of $100 million from each over 5 years (2019 to 2023).

On March 29, 2019, the City of Winnipeg and the Province of Manitoba executed the “Accelerated Regional Street Renewal Contribution Agreement”, and on September 23, 2019, the City of Winnipeg and Canada executed the “Agreement for the City of Winnipeg Accelerated Regional Street Renewal Project”. These agreement commit all parties to the funding arrangements as indicated in the Accelerated Regional Streets Renewal Program section of the Regional and Local Streets Program herein.

On March 20, 2019, Council authorized first charges in 2019 or prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $1.700 million for Broadway, Portage (Downtown Streets), etc. accelerated regional street renewal project;

up to $0.250 million for the Archibald accelerated regional street renewal project;

up to $0.750 million for the Watt / Munroe / Johnson, accelerated regional street renewal project;

up to $1.400 million for the Stafford / Taylor / Corydon accelerated regional street renewal project;

up to $2.200 million for the Erin / Wall / Sargent accelerated regional street renewal project;

up to $0.400 million for the Roblin Blvd. - Dieppe to PTH101 accelerated regional street renewal project;

up to $6.7 million for the Dublin Ave - Notre Dame to St. James accelerated regional street renewal project;

up to $2.7 million for the St. James St. – Dublin to Saskatchewan accelerated regional street renewal project; and

up to $12.186 million in 2019 on the 2020 Fermor Ave - Lagimodiere to Plessis accelerated regional street renewal project which includes Developer Funding in the amount of $2.586 million that covers on demand payment for the Development Charge for Regional Streets and the estimated cost to construct auxiliary lanes and miscellaneous improvements,

On September 26, 2019, Council authorized a first charge in 2019 or prior to the adoption of the 2020 Capital Budget for up to $500,000 for the St. James St. - Notre Dame to Omand's Creek accelerated regional street renewal project.

Regional and Local Street Renewal (continued):

On December 12, 2019 Council authorized first charges prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $6.300 million for Broadway, Portage (Downtown Streets), etc. accelerated regional street renewal project (this is in addition to the $1.7 million authorized first charge from March 20, 2019 noted above, for a total of $8.0 million in 2020);

up to $3.400 million for Maryland St, Fawcett Ave to Maryland Br - accelerated regional street renewal project;

up to $0.250 million for Day St / Pandora Ave - accelerated regional street renewal project;

up to $0.350 million for Dunkirk Dr – Fermor Ave to St Mary's Rd - accelerated regional street renewal project;

up to $0.400 million for Salter St - Dufferin Ave to Mountain Ave - Accelerated regional street renewal project;

up to $0.500 million for Portage Ave Eastbound – Woodlawn Ave to Garden Rd - accelerated regional street renewal project;

up to $0.300 million for Pembina Hwy – Rue Des Trappistes to Ducharme Ave - accelerated regional street renewal project;

up to $0.500 million for Lagimodiere Bvld – Springfield Rd to 200m S of Headmaster Rw - accelerated regional street renewal project;

up to $0.300 million for Sargent Ave – Empress St to St James St - accelerated regional street renewal project;

up to $0.700 million for Selkirk Av – Arlington St to McPhillips St - accelerated regional street renewal project;

up to $0.900 million for Pembina Hwy – McGillivray Bvld to Chevrier Bvld - accelerated regional street renewal project;

up to $0.150 million for William Ave – Arlington St to McPhillips St - accelerated regional street renewal project;

up to $0.900 million for Jubilee Ave – Osborne St to Pembina Hw - accelerated regional street renewal project;

up to $0.900 million for Portage Ave Westbound – David St to Charles St accelerated regional street renewal project;

up to $0.500 million for Lagimodiere Bvld Southbound – Reenders Dr to Regent Ave W - accelerated regional street renewal project;

up to $0.300 million for Keewatin St – Selkirk Ave to Logan Ave - accelerated regional street renewal project;

up to $0.150 million for King Edward St – Park Lane to Logan Ave - accelerated regional street renewal project;

up to $0.300 million for Regent Ave W – Plessis Rd to Rougeau Ave - accelerated regional street renewal project;

up to $0.150 million for Henderson Hwy SB - McLeod Ave to Leighton Ave - non-accelerated regional street renewal project

See next pages for program details.

With the adoption of the 2020 Capital Budget, Council authorizes first charges on all 2021 accelerated streets (Total - $84.5 million) in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the projects.

With the adoption of the 2020 Capital Budget, Council authorizes first charges on the following non-accelerated streets in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the projects:

up to $0.500 million in 2020 on the 2021 Portage Av EB - St Charles St to David St - this project aligns with the accelerated regional street renewal project in the WB;

up to $1.000 million in 2020 on the 2021 University Cr - Pembina Hwy to Chancellor Matheson Dr.

Local Street Renewal Program

Local Streets are all non-regional streets including residential streets, collector streets, industrial streets, and park roads. The Local Street Renewal program includes the renewal and reconstruction of the City's local streets, sidewalks, lanes, and recreational walkways/paths, as well as constructing new sidewalks on local street renewal projects where identified in the Winnipeg Pedestrian and Cycling Strategies or where the terms for New Non-Regional Sidewalks under the Pedestrian and Cycling Program are met. The program also funds the condition rating of streets, sidewalks, lanes and recreation walkways/paths. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

On May 14, 2008, Council concurred in the recommendation that a policy be adopted to incorporate Active Transportation facilities into any reconstruction or rehabilitation required on any infrastructure identified as an Active Transportation facility in the Proposed Active Transportation Network. On July 15, 2015, Council adopted the Pedestrian and Cycling Strategies as the long range pedestrian and cycling transportation policy for the City of Winnipeg. Depending on the proposed street renewal treatment and the planning and priority status of the proposed sidewalk, the Local Street Renewal program may include new sidewalks where identified in the Winnipeg Pedestrian and Cycling Strategies or where the terms for New Non-Regional Sidewalks under the Pedestrian and Cycling Program are met.

Regional and Local Street Renewal (continued):

On November 20, 2013, Council amended the Local Improvement process by creating a pilot program for six years (2014-2019) whereby the City of Winnipeg will finance asphalt paving of granular lanes as local improvements to the maximum of 50% of the cost of the improvement; and approved that the $1 million Granular Lane Fund be used as a funding source for the City's share of the amended Local Improvement Program. On July 19th, 2018, the City of Winnipeg City Council approved a six year extension to this program (2020-2024). The Granular Roadways Improvements program, which includes Type II Road Oiling, includes the annual pulvimixing program funding of $350,000.

On April 25, 2019, Council adopted that the estimated $40 million in additional dollars in Federal Gas Tax funding included in the 2019 Federal Budget be allocated as follows:

• $19.25 million for 2019 Residential road renewals,

• $0.75 million for three active transportation functional design projects,

• $2.5 million to support road side safety measures in 2019, and

• up to $20 million for road renewals and active transportation projects in 2020.

On July 9, 2019, the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million will be allocated to 2019 projects, as approved by Council April 25, 2019. $20 million will be allocated to Local Street Renewals in 2020 and $1.59 million will be allocated to the Pedestrian and Cycling Program in 2020. During the 2020 budget process federal gas tax funding was replaced with external debt to allow for reallocation to other capital projects. The City will borrow $20.0 million in 2020 to offset this reallocation and the Local Street Renewal Reserve will pay principal and interest charges on this new debt. 2020 debt payments are estimated at $700,000 and 2021 - 2025 are estimated at $1.120 million each year.

On December 12, 2019 Council authorized first charges prior to the adoption of the 2020 capital budget to facilitate timely delivery of these projects:

up to $19.700 million for Local Streets (locations previously identified to Standing Policy Committee on Infrastructure Renewal and Public Works on May 28, 2019 as projects deferred from 2019 that would be awarded as a first priority going forward);

up to $0.800 million for Local Sidewalks contracts

All Local Street Renewal projects have a warranty period after substantial completion and/or in-service date for which costs may be incurred by the City. The Director of Public Works is authorized to establish projects to a maximum of $100,000 each to charge costs associated with warranty work should the related Local Streets project be closed. The capital budget for the new project will be allocated from other surpluses within the program.

Any new projects using surplus funds in the 2020 Local Street Renewal Program shall be approved by the Standing Policy Committee on Infrastructure Renewal and Public Works.

A Local Street Renewal Reserve was established in 2013 to increase investment in local streets, lanes and sidewalks. A separate 1% property tax increase planned until 2022 and 1.7% thereafter, will ensure a dedicated funding stream for local streets.

Use of the Local Street Renewal Reserve for purposes other than local streets, lanes, sidewalk or bridge renewals requires approval of 2/3 of City Council.

With the adoption of the 2020 Capital Budget Council authorizes first charges in 2020 or prior to the adoption of the 2021 Capital Budget to facilitate timely delivery of these projects:

up to $7.0 million in 2020 on all the 2021 Local Street Renewals to facilitate delivery of industrial streets, residential streets, alley, and sidewalk renewals prior to the adoption of the 2021 Capital Budget

up to $4.820 million for the combined Sherwin Rd - Dublin Av to Notre Dame Av road renewal and bridge project.

up to $2.100 million for the Wellington Crescent River Bank Stabilization Project.

As per recommendations B.1 and B.2 of the Road Construction Working Group Report, approved by Council on September 26,2019, specific local streets are included in the program details.

See next pages for program details.

Regional and Local Street Renewal (continued):

REGIONAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
ACCELERATED REGIONAL STREET RENEWAL (NBCF APPLICATION):							
Funding							
- Federal New Building Canada Fund (NBCF)	25,000	26,000	24,000	13,000			88,000
- Province of Manitoba Accelerated Regional Roads	15,000	29,100	29,100	9,800			83,000
- Regional Street Renewal Reserve	25,000	26,000	24,000	13,000			88,000
- Developer Funding	2,586						2,586
- Regional Street Renewal Reserve Ineligibles	3,800	3,400	3,300	1,600			12,100
Sub-total Accelerated Regional Streets Renewal	**71,386**	**84,500**	**80,400**	**37,400**	**-**	**-**	**273,686**
Regional Reconstruction & Major Rehabilitation Works:							
Fermor Ave - Lagimodiere to Plessis	12,186						12,186
Downtown Streets:	8,000	8,900	7,400	7,000			31,300
Broadway - Osborne to Main Portage - Main to Memorial Donald - St Mary to Gertrude Fort NB - Graham to Broadway Hargrave NB - Portage to Ellice Hargrave NB - Broadway to York Smith NB - Notre Dame to Midtown Bridge Carlton St - Portage to Ellice							
Dublin Ave - Notre Dame to St James	6,700						6,700
St James St - Dublin to Saskatchewan	2,700						2,700
Maryland St - Fawcett Ave to Maryland Bridge	3,400						3,400
Leila Ave - McPhillips to McGregor			6,200				6,200
Day St. / Pandora Ave.:	300	4,850					5,150
Day St - Pandora to Regent Pandora Ave E - Day to Wayoata							
Dunkirk Dr - Fermor to St Mary's Rd	350	6,200					6,550
Roblin Blvd - Dieppe to PTH101	4,000	4,450					8,450
Archibald Street:	4,700	4,900	4,900				14,500
Archibald St - St Catherine to Cottonwood Archibald St - Plinguet to Doucet							
Watt St. / Munroe Ave. / Johnson Ave. West:	4,800	4,850	4,900	4,000			18,550
Watt St - Chalmers to Munroe Munroe Ave - Raleigh to Henderson Johnson Ave W - Levis St to Henderson Hwy							
Stafford St. / Taylor Ave. / Corydon Ave.:	6,700	8,850	7,300	4,700			27,550
Stafford St - Corydon to Pembina Taylor Ave - Wilton to Pembina Corydon EB - Waterloo to Cambridge Corydon Ave - Cambridge to Stafford							
Erin St. / Wall St. / Sargent Ave.:	8,300	9,100	9,700	8,000			35,100
Erin St - Notre Dame to Wolever Wall St - St Matthews to Notre Dame Sargent Ave - Arlington to Erin							
Salter St - Cathedral to Slaw Rebchuk Bridge	550	5,900					6,450
Portage Ave EB - Woodlawn to Century Overpass / Portage Ave WB - Moorgate to St James St	500	5,150					5,650

Regional and Local Street Renewal (continued):

REGIONAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
Pembina Hwy - Des Trappistes St to Ducharme Ave	300	1,700					2,000
Lagimodiere Blvd - Springfield to 200m S of Headmaster	300	2,000					2,300
Sargent Ave - Empress to St James	300	2,500					2,800
Selkirk Ave - Arlington to McPhillips	700	3,000	3,580				7,280
Pembina Hwy - McGillivray to Chevrier	900		8,600				9,500
Keewatin St NB - Inkster to Adsum	250		1,800				2,050
Pioneer Ave - Westbrook to Main	200		1,700				1,900
William Stephenson Way - Main to Westbrook	100		820				920
Stradbrook Ave - Wellington Cr to Osborne	100		800				900
Sturgeon Rd - Ness Ave to Hallonquist	200		1,900				2,100
Colony St./St. Mary Ave.:	300		2,700				3,000
Colony St - Portage to St Mary St Mary Ave - Memorial to Portage							
Nairn Ave - Stadacona to Watt	600		5,400				6,000
William Ave - Arlington St to McPhillips St	400		3,300				3,700
Jubilee Ave - Osborne to Pembina	900	3,200	4,900	4,000			13,000
Mountain Ave - Arlington to McPhillips		1,000	4,500	5,000			10,500
McGregor St - Seven Oaks to McAdam		250		2,250			2,500
McGregor St - Church to Mountain		250		2,450			2,700
Regional Mill and Fill / Overlay Preservation Works:							
Portage Ave WB - David to St Charles	900						900
Lagimodiere Blvd SB - Reenders Dr to Regent Ave W	500						500
St James St - Notre Dame to Omand's Creek	500						500
Keewatin St - Selkirk to Logan Ave	300	2,800					3,100
King Edward St - Park Lane to Logan Ave	150	1,450					1,600
Regent Ave W - Plessis to Rougeau	300	3,200					3,500
Total Accelerated Regional Street Renewal Program	**71,386**	**84,500**	**80,400**	**37,400**	**-**	**-**	**273,686**

Regional and Local Street Renewal (continued):

REGIONAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
NON-ACCELERATED REGIONAL STREET RENEWAL:							
Funding							
- Regional Street Renewal Reserve	6,538	11,938	18,238	34,938	50,917	53,638	176,207
- Province of Manitoba - 2018 Roads Funding Shortfall	(6,538)						(6,538)
- Prior Years Surplus	2,000						2,000
Total Non-accelerated Regional Street Renewal	**2,000**	**11,938**	**18,238**	**34,938**	**50,917**	**53,638**	**171,669**
Regional Reconstruction & Major Rehabilitation Works:							
Henderson Hwy SB - McLeod to Leighton	150	1,250					1,400
Henderson Hwy - N of Gilmore to City Limit (Preliminary Design)		700					700
Portage Ave EB - St Charles to David		2,150					2,150
Redwood Av - Main St to Salter St		450	2,850				3,300
University Cr - Pembina to Chancellor Matheson		4,000	5,900				9,900
Grant Ave EB - Lanark to 1863 Grant / Grant WB - Montrose to 1863 Grant		900	3,400	2,800			7,100
River Av - Osborne St to Wellington Cr / Wellingtion Cr - River Av to Stradbrook St			1,400				1,400
Salter St - Inkster to Jefferson			500	5,100			5,600
Logan Ave - Disraeli Fr to Main			200	2,100			2,300
Selkirk Ave - Main to Salter			550	5,500			6,050
St Anne's Rd - St Mary's to Fermor			500	4,800			5,300
Dakota St - St Mary's to Bishop Grandin			300	1,900			2,200
Des Meurons St - Goulet to Marion / Goulet WB - Youville to Braemar			200	2,300			2,500
Lagimodiere Blvd NB - Fermor to Cottonwood			250	2,250			2,500
Sargent Ave - Edmonton to Furby							
Edmonton St - Cumberland to Ellice			200	2,850			3,050
McPhillips St SB - Machray to Mountain			100	1,100			1,200
Empress St - St Matthews to Saskatchewan (Preliminary Design)				400			400
Inkster Blvd - Arlington St to McKenzie St			200	1,000			1,200
Regional Mill and Fill Preservation Works:							
Lagimodiere Blvd NB - Regent Ave W to Almey	600						600
Regional Accessibility Improvements:							
Regional Sidewalk and Curb Renewals	500	500	500	500	500	500	3,000
Regional Paving of Granular Shoulders	250	250	250	250	250	250	1,500
Detectable Warning Surface Tiles - Regional Streets	100	100	100	100	100	100	600
Downtown Streets:							
Sidewalk, Curb, and Street Renewals	300	1,500	700	1,500	1,500	1,500	7,000
Regional Provisional Maintenance:							
Kenaston Blvd - Ness to Taylor	100	100	100	100	100	100	600
Regional Street Renewals - Annual Program - Various locations to be identified.		38	38	388	48,467	51,188	100,119
Total Non-accelerated Regional Street Renewal Program	**2,000**	**11,938**	**18,238**	**34,938**	**50,917**	**53,638**	**171,669**
Total Accelerated and Non-accelerated Regional Street Renewal Program	**73,386**	**96,438**	**98,638**	**72,338**	**50,917**	**53,638**	**445,355**

Regional and Local Street Renewal (continued):

LOCAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
Funding							
- Local Street Renewal Reserve	38,998	44,578	50,778	61,778	73,178	84,878	354,188
- Federal Gas Tax	8,314	7,323	12,000	1,885		5,588	35,110
- Frontage Levy	269	2,677					2,946
- Province of Manitoba - 2018 Roads Funding Shortfall	(13,462)						(13,462)
- External Debt	22,817						22,817
Total Local Street Renewal Program	**56,936**	**54,578**	**62,778**	**63,663**	**73,178**	**90,466**	**401,599**
Local Street Renewals							
Wellington Crescent - Riverbank Stabilization (jointly funded with the Property, Planning and Development and Water and Waste Departments - see page 2-99 "Riverbank Stabilization - Physical Asset Protection" and page 2-199 "Outfall Rehabilitation")	3,000	2,100					5,100
Industrial Streets							
Sherwin Rd - Dublin Av to Notre Dame Av	2,418	4,820					7,238
Park Lane Av - Selkirk Av to End	2,870						2,870
Park Lane Av - Park Lane Av to Hekla		980					980
Muir Rd - Church Av to Plymouth St		990					990
Plymouth St - Inkster Bv to Burrows Av		5,060					5,060
Bunting St - Inkster Bv to Church Av		2,080					2,080
Sub-total Industrial Street Renewals & Various locations to be identified.	5,288	13,930	15,000	15,000	15,000	15,000	79,218
Parks Streets	1,600		800	800	800	800	4,800
2020 Residential Streets							-
Burrows Av WB - Main St to Powers St							-
Forest Cove Dr - Garton Av to Jonathan Cr							-
Powers St - Leila Av to Partridge Av							-
Selkirk Av - Buller St to Sheppard St							-
Malden Cs - Mannerley Wy to Mannerley Wy							-
Marlow Ct - Mapleglen Dr to Mapleglen Dr							-
Kirkfield St - Portage Av to McBey Av							-
Lilac St - Mulvey Av to Fleet Av							-
Olive St - Braintree Cr to Ness Av							-
Inglewood St - Silver Av to Ness Av							-
Palliser Av - Mount Royal Rd to Mount Royal Rd							-
Wellington Av - Arlington St to Alverstone St							-
Lanark St - Corydon Av to John Brebeuf Pl Maurepas							-
Cr - Edgeland Bv to Edgeland Bv McDowell Dr - 47							-
McDowell Dr to Westlund Wy Mountbatten Av - Bower							-
Bv to Shaftesbury Bv							-
Des Meurons St - Carriere Av to Morier Av							-
Lyndale Dr - Main St Bridge to Walmer St							-
Speers Rd - Elizabeth Rd to Winakwa Rd							-
Stewart St - Portage Av to Allard Av							-
Colchester By - Holland Bv to Holland Bv							-

Regional and Local Street Renewal (continued):

LOCAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
Stockton Pl - Colchester By to End							-
Wolever Av - Minto St to Wall St							-
Minto St - Armoury Av to St Matthews Av							-
Grey St - Nottingham Av to Union Av E							-
John Taylor Pl - Werrell Cr to Tu Pelo Av							-
Government Av - Louelda St to Besant St							-
Besant St - Consol Av to Munroe Av							-
Besant St - N Limit to Consol Av							-
Ashland Av - Churchill Dr to Darling St							-
Ashland Av - Darling St to Eccles St							-
Ashland Av - Eccles St to Mabel St							-
Gertrude Av - Nassau St N to Osborne St							-
Tanner St - Margaret Av to End South of Templeton							-
Bannerman Av - Duke St to McPhillips St							-
Duke St - Polson Av to Bannerman Av							-
Atlantic Av - Duke St to McPhillips St							-
Cathedral Av - Arlington St to Rail Xing West of Sinclair St							-
Aikins St - Enniskillen Av to McAdam Av							-
Springfield Rd - Gateway Rd to Brian St							-
Morrison St - Buttercup Av to Arrowwood Dr N							-
Councillor By - Manila Rd to Manila Rd							-
Caslon Pl - Councillor By to Councillor By							-
Alexander Av - Princess St to Stanley St							-
Manitoba Av - Sheppard St to Chudley St							-
Maybank Dr - Marshall Cr to Donnelly St							-
Farwell By - Donnelly St to Donnelly St							-
Fleury Pl - Fontaine Cr to De Bourmont Av							-
Fleury Pl - De Bourmont Av to Fontaine Cr							-
Drake Bv - Autumnwood Rd to Cottonwood Rd							-
Booth Dr - Bruce Av to Lodge Av							-
Booth Dr - Lodge Av to Portage Av							-
Sharp Bv - Ness Av to Bruce Av							-
Blackwater By - End to Charing Cross Cr							-
Blackwater By - Blackwater By to Charing Cross Cr							-
Oakridge By - Metz St to Metz St							-
Rosewarne Av - Kingston Rw to St Marys Rd							-
Hatcher Rd - Bournais Dr to Rougeau Av							-
Rougeau Av - Bournais Dr to Hatcher Rd							-
Lakeside Dr - Forest Lake Dr to Chancellor Dr							-
Lakeside Dr - Augusta Dr to Forest Lake Dr							-

Regional and Local Street Renewal (continued):

LOCAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
2021 Residential Streets							-
Doncaster St - Corydon Av to Blanche Av							-
Jolliett Cr - Sansome Av to Rouge Rd							-
Rouge Rd - Erlandson Dr to Assiniboine Av							-
Dominion St - Armoury Av to St Matthews Av							-
Dominion St - Sargent Av to Ellice Av							-
Bowman Av - Brazier St to Henderson Hw							-
Bowman Av - Roch St to Brazier St							-
Larsen Av - Brazier St to Roch St							-
Dowker Av - Crowson By (E leg) to South Dr							-
Riley Cr - Wicklow St to Dowker Av							-
Beaconsfield St - Lisgar Av to Lusted Av							-
Sinclair St - Atlantic Av to Cathedral Av							-
Sinclair St - Cathedral Av to Machray Av							-
Sinclair St - Polson Av to Atlantic Av							-
Sinclair St - Inkster Bv to Polson Av							-
Machray Av - Arlington St to Sinclair St							-
Atlantic Av - Salter St to McGregor St							-
Edkar Cr - McIvor Av to Pentland St							-
Springfield Rd - Brian St to Rothesay St							-
Kingsbury Av - Petunia St to McPhillips St							-
Kingsbury Av - Petunia St to Sinclair St							-
Ross Av W - Worth St to Keewatin St							-
Cecil St - Alexander Av to Notre Dame Av							-
Grosvenor Av - Ash St to Cordova St							-
Grosvenor Av - Cordova St to Lindsay St							-
Nathaniel St - Grant Av to Lorette Av							-
Nathaniel St - Fleet Av to Dudley Av							-
Grosvenor Av - Stafford St to Harrow St							-
Marwood Cr - Edgemont Dr to Edgemont Dr							-
Sweetwater By - Edgewater Dr to Edgewater Dr							-
Ashwood Cv - Sweetwater By to End							-
Cormorant By - Edgewater Dr to Edgewater Dr							-
Watercress Rd - Edgewater Dr to Cormorant By							-
Strauss Dr - 80 Strauss Dr to Thompson Dr							-
Strauss Dr - Strauss Dr to 80 Strauss Dr							-
Thompson Dr - Strauss Dr to Ness Av							-
Southwalk By - Charing Cross Cr to Charing Cross Cr							-
Regis Dr - Charing Cross Cr to Paddington Rd							-
Kingston Rw - Edinburgh St to Rosewarne Av							-
Kingston Rw - Rosewarne Av to St Marys Rd							-

Regional and Local Street Renewal (continued):

LOCAL STREET RENEWAL PROGRAM Authorization ($000's)	2020	2021	2022	2023	2024	2025	Six-Year Total
Leola St - Harold Av E to Kildare Av E							-
Leola St - Kildare Av E to Regent Av E							-
Madeline St - McMeans Av W to Harold Av W							-
Bayview Dr (W leg) - Bayview Dr to St Martin Bv							-
Syracuse Cr - Chancellor Dr to Chancellor Dr							-
Sub-total Residential Street Renewals & Various locations to be identified.	31,628	27,998	36,428	37,313	46,828	64,116	244,311
Local Thin Bituminous Overlay (TBO)	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Granular Roadway Improvements:							
Type II Road Oiling	500	500	500	500	500	500	3,000
Granular Lane Improvement Program	900	1,000	1,000	1,000	1,000	1,000	5,900
Sub-total Granular Roadway Improvements	1,400	1,500	1,500	1,500	1,500	1,500	8,900
Lanes, Sidewalks, & Active Transportation Renewals:							
2020 Lane Renewals							
Oak St/Elm St from Academy Rd to Kingsway							
Borebank St/Campbell St from Academy Rd to Kingsway							
Ash St/Montrose St from Grosvenor Av to Corydon Av							
Ash St/Oak St from Corydon Av to Fleet Av							
Waverley St/Oxford St from Grosvenor Av to Corydon Av							
Weinberg Rd/Armstrong Av from Salter St to Leila Av							
Telfer St S/Wolseley Av from Portage Av to Clifton St							
Toronto St/Victor St from Ellice Av to St Matthews Av							
Sherbrook St/Furby St from Ellice Av to Portage Av							
Dominion St/Garfield St N from St Matthews Av to Wolever Av							
Sherburn St/Ingersoll St from Sargent Av to Ellice Av							
2021 Lane Renewals							
Craig St/Portage Av from Wolseley Av to Stiles St							
Walnut St/Westminster Av from Dundurn Pl to Maryland St							
Wellington Av/Dominion St from Garfield St N to Sargent Av							
Yarwood Av/Lipton St from Banning St to Wellington Av							
Powers St/Dufferin Av from Jarvis Av to Salter St							
Rockwood St/Dorchester Av from McMillan Av to Wilton St							
Harvard Av/Stafford St from Avonherst St to Yale Av							
Pulberry St/Arden Av from St Michael Rd to St Marys Rd							
Pulberry St/Arden Av from St Michael Rd to St Marys Rd							
Sub-total Lane Renewals & various locations to be identified.	7,720	2,750	2,750	2,750	2,750	2,750	21,470
Sidewalk Renewals on Local Streets - Various Locations	800	800	800	800	800	800	4,800
Recreational Walkways and Bike Pathway Renewals	500	500	500	500	500	500	3,000
Sub-total Lanes, Sidewalks & Active Transportation Renewals	**9,020**	**4,050**	**4,050**	**4,050**	**4,050**	**4,050**	**29,270**
Total Local Street Renewal Program	**56,936**	**54,578**	**62,778**	**63,663**	**73,178**	**90,466**	**401,599**
Total Regional and Local Street Renewal Program	**130,322**	**151,016**	**161,416**	**136,001**	**124,095**	**144,104**	**846,954**

Project Name: **Osborne Street Underpass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002325

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

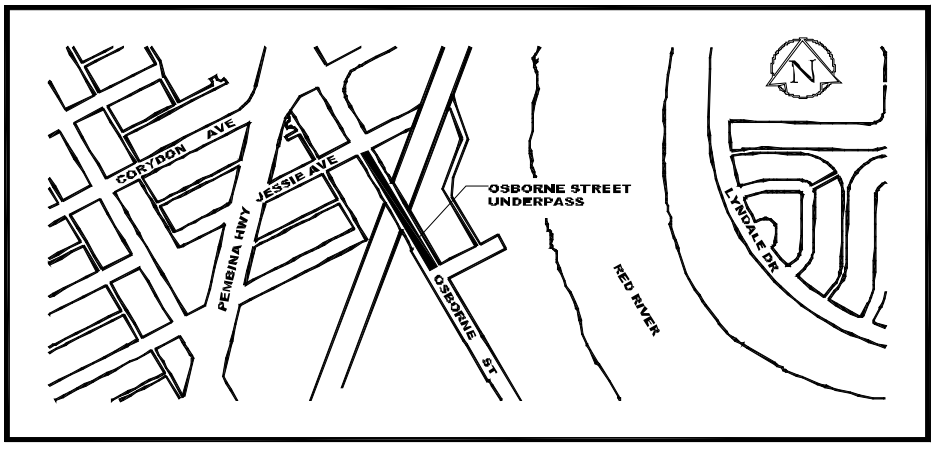
AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	1,100	1,100	1,100
Financed by:									
Frontage Levy							500	500	500
Federal Gas Tax							600	600	600

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	935	165	1,100
Financed by:								
Frontage Levy						425	75	500
Federal Gas Tax						510	90	600

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The scope of work for this project has been revised to examine cost effective functional design alternatives for an active transportation grade separation, in the vicinity of the existing Osborne Street Underpass, to address a gap in the Active Transportation Network to cross the CN mainline. In addition, functional design will be undertaken to review rehabilitation of the existing Osborne underpass to address deficiencies in land drainage, vertical clearance, pavement condition, and traffic operations through the Osborne/Pembina/Corydon/Donald intersection.



Project Name: **Dublin Avenue Bridge (Omand's Creek)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002118
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,400	3,300	-	-	-	-	-	-	3,300
Financed by:									
Frontage Levy		3,300						-	3,300

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	3,300	-	-	-	-	-	-	3,300
Financed by:								
Frontage Levy	3,300							3,300

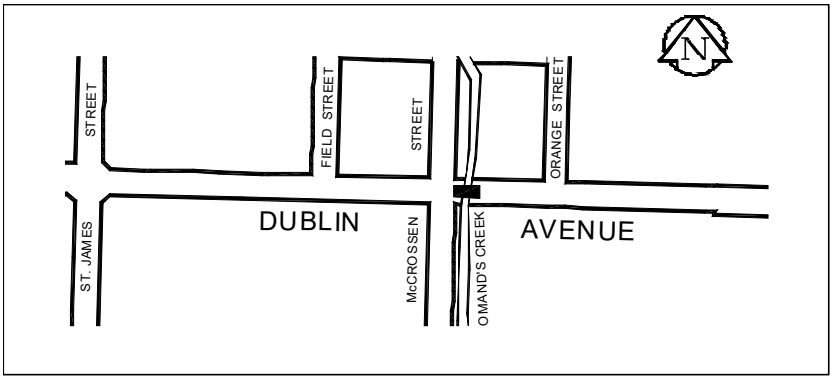
NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	107					
Net Cost/(Benefit)	(107)	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This project includes the replacement of the Dublin Avenue Bridge over Omand's Creek and the reconstruction of Dublin Avenue between Notre Dame Avenue and St James Street, and the rehabilitation of St. James Street from Dublin to Saskatchewan, funded by the Regional and Local Street Renewal program.

On March 20, 2019, Council authorized a first charge of up to $3.3 million in 2019 or prior to the adoption of the 2020 Capital Budget to allow for timely delivery of the project.

The replacement bridge is expected to provide service for 75 years.



Project Name: **Pembina Highway Overpass (Bishop Grandin) Rehabilitation**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002523
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	1,000	2,000	17,400	20,400	20,400
Financed by:									
Frontage Levy					500	500	5,021	6,021	6,021
Regional Street Renewal Reserve						621		621	621
Federal Gas Tax					500	879	12,379	13,758	13,758

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	850	1,850	15,090	2,610	20,400
Financed by:								
Frontage Levy				425	500	4,343	753	6,021
Regional Street Renewal Reserve					528	93		621
Federal Gas Tax				425	822	10,654	1,857	13,758

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						277
Net Cost/(Benefit)	-	-	-	-	-	(277)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

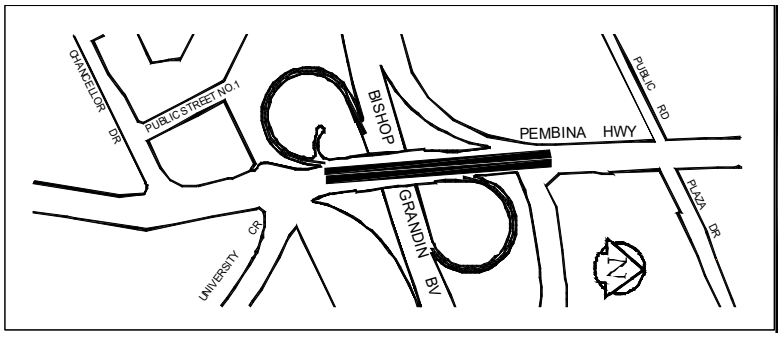
Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate				3	4	5
Preliminary Design				1,000		
Detailed Design					2,000	
Construction						17,400

The overpass on Pembina Highway over Bishop Grandin requires bridge deck rehabilitation, including reconstruction of the exit loop ramps. The timeline for preliminary design, detailed design, and construction is noted in the Class Estimate table above.

Note that construction of a pedestrian-cycling overpass over Pembina Highway, connecting legs of the Bishop Grandin Greenway, is not included in the project scope.

The rehabilitated structure will provide an additional 50 years of service life and the new pedestrian overpass structure will provide a service life of 75 years.



Project Name: **St. Vital Bridge Rehabilitation**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002721

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,000	6,212	13,600	19,200	-	41,012	41,012
Financed by:									
Frontage Levy			2,000	4,573	4,631	4,550		15,754	15,754
Regional Street Renewal Reserve				1,639				1,639	1,639
Federal Gas Tax					8,969	14,650		23,619	23,619

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,700	5,580	12,491	18,360	2,881	-	41,012
Financed by:								
Frontage Levy		1,700	4,187	4,622	4,562	683		15,754
Regional Street Renewal Reserve			1,393	246				1,639
Federal Gas Tax				7,623	13,798	2,198		23,619

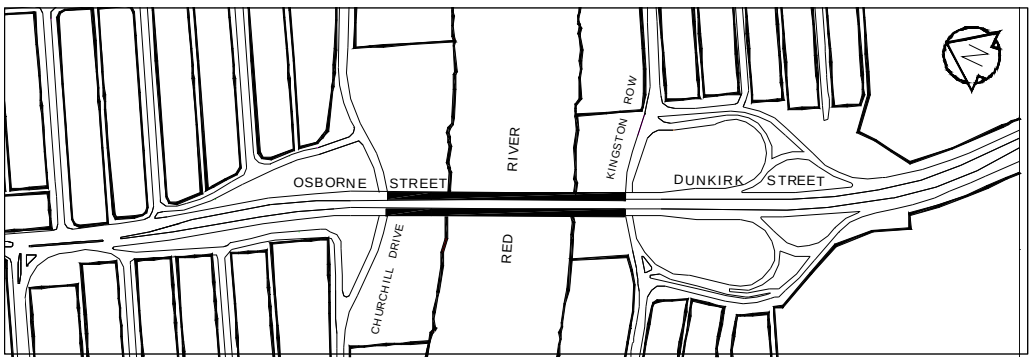
NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery				254	321	50
Net Cost/(Benefit)	-	-	-	(254)	(321)	(50)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate		**4**	**4**	**5**	**5**	
Preliminary Design		2,000				
Detailed Design			6,212			
Construction				13,600	19,200	

The St. Vital Bridge (Red River) connecting Osborne Street to Dunkirk Drive will require bridge deck rehabilitation, including marginal widening, to better accommodate pedestrian and cycling requirements. The timeline for preliminary design, detailed design, and construction is noted in the Class Estimate table above. Construction is expected to be staged over a two year period from 2023 to 2024.

The rehabilitated structure will provide an additional 50 years of service life.



Project Name: **Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805002122
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	2,000	2,000	2,000	-	6,000	6,000
Financed by:									
Frontage Levy				1,000	500	500		2,000	2,000
Regional Street Renewal Reserve				361				361	361
Federal Gas Tax				639	1,500	1,500		3,639	3,639

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	1,700	2,000	2,000	300	-	6,000
Financed by:								
Frontage Levy			850	575	500	75		2,000
Regional Street Renewal Reserve			307	54				361
Federal Gas Tax			543	1,371	1,500	225		3,639

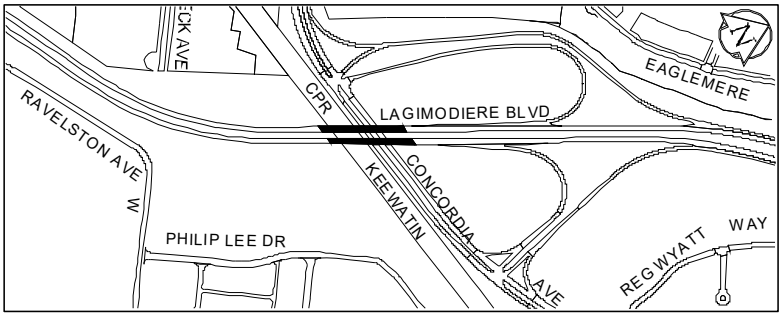
NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate			**4**	**4**	**4**	
Preliminary Design			2,000	2,000		
Detailed Design					2,000	

This project includes major rehabilitation of the Lagimodiere Twin Overpasses over Concordia Avenue and the CPR Keewatin rail lines. Improvements to traffic capacity and roadside safety will be determined as part of a preliminary design study. The timeline for preliminary and detailed design is noted in the class estimate table above. Construction is forecasted to take place over a two year period from 2026 to 2027 with a total project class 5 estimate of $44 million.

The rehabilitated structure will provide an additional 50 years of service life.



Project Name: **Waterway Crossing and Grade Separations - Annual Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805000120

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,970	3,513	3,000	3,000	3,000	3,000	15,513	18,483
Financed by:									
Frontage Levy		2,970	3,513	3,000	3,000	3,000	3,000	15,513	18,483

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,525	3,431	3,077	3,000	3,000	3,000	450	18,483
Financed by:								
Frontage Levy	2,525	3,431	3,077	3,000	3,000	3,000	450	18,483

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	82	112	100	98	98	98
Net Cost/(Benefit)	(82)	(112)	(100)	(98)	(98)	(98)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Annual program to carry out preventative maintenance, major repairs, improvements or replacement to existing bridges, subways, overpasses, culverts and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Disraeli Bridge and Overpass Facility**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805001120

Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		650	348	600	600	600	600	2,748	3,398
Federal Gas Tax		12,467	12,822	12,625	12,725	12,737	12,795	63,704	76,171
Public Private Partnership Annual Service / Financing Payments		(11,931)	(11,984)	(12,039)	(12,139)	(12,151)	(12,209)	(60,522)	(72,453)
Debt servicing - repayment of debt		(1,186)	(1,186)	(1,186)	(1,186)	(1,186)	(1,186)	(5,930)	(7,116)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	13,117	13,170	13,225	13,325	13,337	13,395	270,432	350,001
Financed by:								
Cash to Capital	650	348	600	600	600	600	15,000	18,398
Federal Gas Tax	12,467	12,822	12,625	12,725	12,737	12,795	255,432	331,603

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	650	348	600	600	600	600
Total Direct Costs	650	348	600	600	600	600
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	650	348	600	600	600	600
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

The Disraeli Bridges and Overpass Facility was procured using a P3 approach and the facility opened on November 19, 2012.

The City will make on-going lease payments to Plenary Roads Winnipeg (PRW) extending until 2042. These payments are required under a 30-year contract with PRW and cover the remaining capital cost of the facility as well as the maintenance of the facility.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery of the Senior Project Review/P3 Specialist and other P3 costs related to land titles registration are also included in this budget. Payments to PRW are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to PRW represents an annual amount dedicated to the maintenance of the facility, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

A portion of the project ($75 million) was financed by $25 million in external debt, with the balance being financed internally. The Public Service issued $25 million in external debt at an interest rate of 3.759% over a repayment term of 40 years. Debt servicing represents interest and principal repayment of external debt and internal financing.

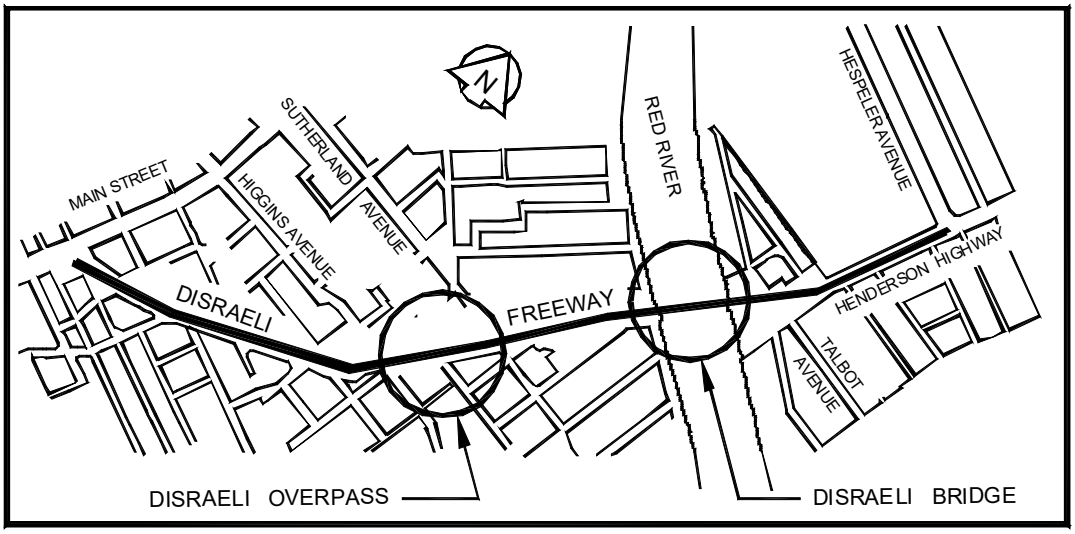
Disraeli Bridge and Overpass Facility (continued):

The above annual estimates relate to the maintenance phase of the project and include the authorization for the lease payments and debt servicing related to the facility.

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of annual capital budget in the event the capital budget is adopted after December 31 in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002 where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

As financing and administration costs are implicit in the lease payments, this project is exempt from the Corporate Administration and Interest charges.



Project Name: **Charleswood Bridge**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1805001020

Service: Roadway Construction and Maintenance
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,478	1,478	1,478	1,478	1,478		5,912	7,390
Public Private Partnership Lease Payments		(1,478)	(1,478)	(1,478)	(1,478)	(1,478)		(5,912)	(7,390)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,478	1,478	1,478	1,478	1,478	-	-	7,390
Financed by:								
Cash to Capital	1,478	1,478	1,478	1,478	1,478			7,390

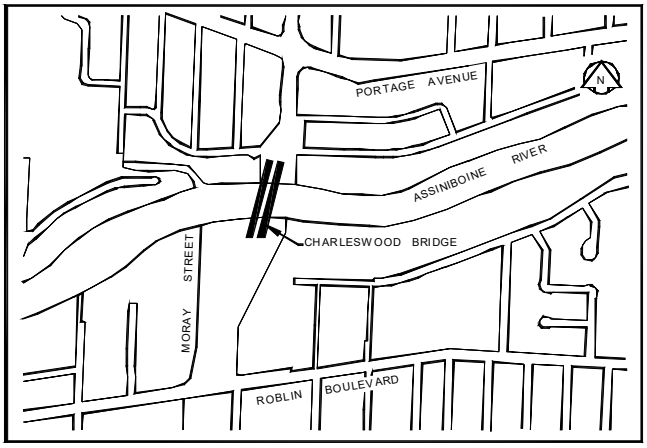
NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,478	1,478	1,478	1,478	1,478	
Total Direct Costs	1,478	1,478	1,478	1,478	1,478	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	1,478	1,478	1,478	1,478	1,478	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

The Charleswood Bridge was constructed in 1994 and 1995 along with the roadworks between Roblin Boulevard and Ness Avenue.

The bridge portion of the project was undertaken as a Public-Private Partnership, with lease payments extending until 2024.

The above annual estimates include the authorization for the lease payments to be incurred and charged to the project in the General Capital Fund.



Project Name: **Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1801000220
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,250	600	616	600	600	600	3,016	4,266
Federal Gas Tax		6,043	6,737	6,766	6,829	6,876	6,925	34,133	40,176
Public Private Partnership Annual Service / Financing Payments		(6,314)	(6,358)	(6,403)	(6,450)	(6,497)	(6,546)	(32,254)	(38,568)
Debt servicing - repayment of debt		(979)	(979)	(979)	(979)	(979)	(979)	(4,895)	(5,874)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	7,293	7,337	7,382	7,429	7,476	7,525	143,838	188,280
Financed by:								
Cash to Capital	1,250	600	616	600	600	600	63,401	67,667
Federal Gas Tax	6,043	6,737	6,766	6,829	6,876	6,925	80,437	120,613

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,250	600	616	600	600	600
Total Direct Costs	1,250	600	616	600	600	600
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	1,250	600	616	600	600	600
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

The Chief Peguis Trail Extension from Henderson Highway to Lagimodiere Boulevard was procured using a P3 approach and the facility opened on December 2, 2011.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery for the Senior Project Review/P3 Specialist and other P3 costs related to land titles registration are also included in this budget. Payments to DBF2 are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to DBF2 represents an annual amount dedicated to the maintenance of the facility, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

A portion of the project was financed by the City issuing $18.7 million in external debt. The debt servicing above represents the repayment of principal and interest on the external debt associated with the project over a period of 40 years.

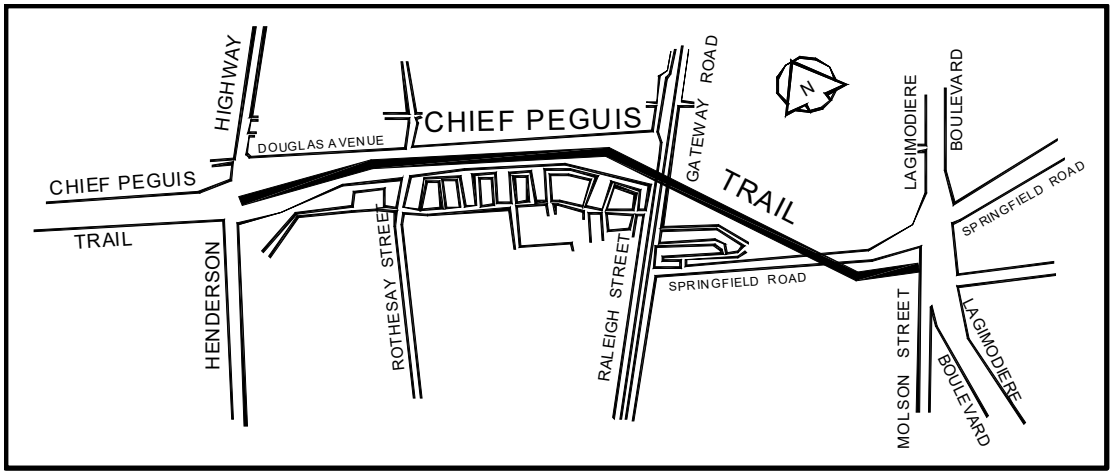
The above annual estimates include the authorization for the lease and financing payments to be incurred and charged to the Projects in the General Capital Fund.

Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard (continued):

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of annual capital budget in the event the capital budget is adopted after December 31 in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002 where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

As financing and administration costs are implicit in the lease payments, this capital project is exempt from the Corporate Administration and Interest charges.



Project Name: **Asset Management System - Various Divisions**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1812000120
Service: Roadway Construction and Maintenance
OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital		75	75	75	75	75	75	375	450
Federal Gas Tax		25	25	25	25	25	25	125	150

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	85	100	100	100	100	100	15	600
Financed by:								
Cash to Capital	64	75	75	75	75	75	11	450
Federal Gas Tax	21	25	25	25	25	25	4	150

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	75	75	75	75	75	75
Total Direct Costs	75	75	75	75	75	75
Less: Incremental Revenue/Recovery	2	3	3	3	3	3
Net Cost/(Benefit)	73	72	72	72	72	72
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The asset management program being implemented in the Public Works Department is centered on the application of quality management principles to the operation, maintenance, and renewal of infrastructure. A primary objective is the development and implementation of methodologies to preserve the infrastructure and to identify the funding necessary for the long term preservation of the assets.

An objective of the asset management program is to extend this systematic structural quality management approach to all the infrastructure under the Public Works Department responsibility. Funds are required to implement new or maintain existing asset management programs.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Acquisition - Transportation Right of Way**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Public Works
Project: 1834000120

Service: Transportation Planning and Traffic Management
OurWinnipeg: Key Directions for the Entire City

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,180	-	-	-	-	-	-	1,180
Financed by:									
Cash to Capital		950						-	950
Transfer from Prior Year Authorization		230						-	230

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,180	-	-	-	-	-	-	1,180
Financed by:								
Cash to Capital	950							950
Transfer from Prior Year Authorization	230							230

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	950					
Total Direct Costs	950	-	-	-	-	-
Less: Incremental Revenue/Recovery	38					
Net Cost/(Benefit)	912	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Allowance for the acquisition of land for future transportation rights-of-way was not included in any specific capital project within the given year's capital program. This program facilitates acquiring rights-of-way when the necessary land becomes available or when non-compatible private development is proposed on the land that will be required.

Funding in 2020 includes budgeted amounts from previously authorized capital projects from 2016 - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Reforestation - Improvements**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1850000120
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	383	383	383	383	383	383	1,915	2,298
Financed by:									
Cash to Capital		50	383		83	383	383	1,232	1,282
Federal Gas Tax				383	300			683	683
External Debt		333						-	333

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	326	383	383	383	383	383	57	2,298
Financed by:								
Cash to Capital	43	333	57	71	338	383	57	1,282
Federal Gas Tax			326	312	45			683
External Debt	283	50						333

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	17	39	42	42	42	42
Transfer to General Capital Fund	50	383		83	383	383
Total Direct Costs	67	422	42	125	425	425
Less: Incremental Revenue/Recovery	11	12	6	6	12	12
Net Cost/(Benefit)	56	410	36	119	413	413
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Sustainable urban forest management program, which may include tree replacements, pruning and removals, improvement of tree vaults, grates or wells, and inventory along City boulevards, plazas, and parks.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Regional Parks**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1853000321
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	650	-	1,175	-	1,464	-	-	2,639	2,639
Financed by:									
Cash to Capital			337		41			378	378
Federal Gas Tax			600		1,423			2,023	2,023
External Debt			238					238	238

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	999	176	1,244	220	-	-	2,639
Financed by:								
Cash to Capital		287	50	35	6			378
Federal Gas Tax		510	90	1,209	214			2,023
External Debt		202	36					238

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		7	13	15	15	15
Transfer to General Capital Fund		337		41		
Total Direct Costs	-	344	13	56	15	15
Less: Incremental Revenue/Recovery		22	4	16	3	
Net Cost/(Benefit)	-	322	9	40	12	15
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Refurbishment and/or improvements to various parks to repair aging park infrastructure and related amenities.

2021 and 2023 funding will contribute to short and long term implementation strategies for Kilcona Park rehabilitation and enhancements based on the 2014 Strategic Renewal and Action Plan prepared by Hilderman Thomas Frank Cram Landscape Architecture in consultation with Meyers Norris Penny LLP, MMM Group Limited and Prairie Architects Inc.

Prioritization of projects is subject to the Regional Parks Investment Strategy and Parks Strategic Master Plan, planned for completion in September 2020.

Project Name: **Parks Buildings**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 6318020121
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	4,900	-	3,020	-	-	-	-	3,020	3,020
Financed by:									
Federal Gas Tax			2,642					2,642	2,642
External Debt			378					378	378

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	2,567	453	-	-	-	-	3,020
Financed by:								
Federal Gas Tax		2,246	396					2,642
External Debt		321	57					378

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		11	22	24	24	24
Transfer to General Capital Fund						
Total Direct Costs	-	11	22	24	24	24
Less: Incremental Revenue/Recovery		39	7			
Net Cost/(Benefit)	-	(28)	15	24	24	24
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Funds will be allocated to:	2020	2021	2022	2023	2024	2025	TOTAL
St. Vital Park Yards - Garage/Staff House Replacement		2,650					2,650
Churchill Drive Park Public Washrooms/Garage Replacement		370					370
	-	**3,020**	**-**	**-**	**-**	**-**	**3,020**

Capital close-out of the above-listed projects will not commence until the projects are substantially completed.

Project Name: **Parks and Recreation Enhancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1857000120
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,553	2,100	1,890	1,731	300	300	6,321	8,874
Financed by:									
Cash to Capital		1,464			281	300	300	881	2,345
Federal Gas Tax		1,089	1,716	1,890	1,450			5,056	6,145
External Debt			384					384	384

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,170	2,168	1,921	1,755	515	300	45	8,874
Financed by:								
Cash to Capital	1,244	220		239	297	300	45	2,345
Federal Gas Tax	926	1,622	1,863	1,516	218			6,145
External Debt		326	58					384

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		21	46	49	49	49
Transfer to General Capital Fund	1,464			281	300	300
Total Direct Costs	1,464	21	46	330	349	349
Less: Incremental Revenue/Recovery	52	38	25	27	12	10
Net Cost/(Benefit)	1,412	(17)	21	303	337	339
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Program is focused on playground restorations including play equipment and safety surface replacements, along with associated amenity and pathway improvements to enhance accessibility. It is generally delivered by the Planning, Property and Development Department on behalf of the Parks and Open Space Division of the Public Works Department.

Funding is to be allocated annually as follows:

- Approximately $300,000 each year dedicated to address general playground and amenity safety concerns as they arise city wide.

- remaining funding to be divided equally between each of the fifteen electoral wards.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Parks and Recreation Enhancement Program (continued):

	2020	2021	2022	2023	2024	2025	TOTAL
Priority Safety-Related Concerns	303	300	300	306	300	300	1,809
Charleswood-Tuxedo-Westwood	150	120	106	95			471
Daniel McIntyre	150	120	106	95			471
Elmwood-East Kildonan	150	120	106	95			471
Fort Rouge-East Fort Garry	150	120	106	95			471
Mynarski	150	120	106	95			471
North Kildonan	150	120	106	95			471
Old Kildonan	150	120	106	95			471
Point Douglas	150	120	106	95			471
River Heights-Fort Garry	150	120	106	95			471
St. Boniface	150	120	106	95			471
St. James	150	120	106	95			471
St. Norbert - Seine River	150	120	106	95			471
St. Vital	150	120	106	95			471
Transcona	150	120	106	95			471
Waverley West	150	120	106	95			471
Total	**2,553**	**2,100**	**1,890**	**1,731**	**300**	**300**	**8,874**

The Director of Public Works may be required to reallocate ward budgets on approval of the ward councillors.

Project Name: **Rainbow Stage**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 6318XXXX21
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,500	1,500	-	-	-	3,000	3,000
Financed by:									
Cash to Capital			1,500	1,500				3,000	3,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,275	1,500	225	-	-	-	3,000
Financed by:								
Cash to Capital		1,275	1,500	225				3,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		1,500	1,500			
Total Direct Costs	-	1,500	1,500	-	-	-
Less: Incremental Revenue/Recovery		41	49	7		
Net Cost/(Benefit)	-	1,459	1,451	(7)	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Renovations of Rainbow Stage at Kildonan Park to address fire and life safety issues, replacement of outdated user amenities, improvement of accessibility for audience, and flood protection dikes to permit a proposed addition to the facility. City funding is subject to securing matching funds from other levels of government and/or private fundraising.

Projects will not proceed until a class 3 estimate is obtained.

Project Name: **Urban Forest Enhancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Public Works
Project: 1850000220
Service: Parks and Urban Forestry
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	6,159	5,800	5,800	5,800	1,362	3,630	22,392	28,551
Financed by:									
Cash to Capital		959			400	205	2,553	3,158	4,117
Federal Gas Tax		4,432	5,751	5,800	5,400	573	1,077	18,601	23,033
External Debt			49			584		633	633
Interim Financing from General Capital Fund / (Repayment)	1,100	(1,100)						-	(1,100)
Transfer from Corporate Non-specified Capital Account		1,868						-	1,868

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	6,159	5,800	5,800	5,800	1,362	3,630	-	28,551
Financed by:								
Cash to Capital	959			400	205	2,553		4,117
Federal Gas Tax	4,432	5,751	5,800	5,400	573	1,077		23,033
External Debt		49			584			633
Interim Financing from General Capital Fund / (Repayment)	(1,100)							(1,100)
Transfer from Corporate Non-specified Capital Account	1,868							

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		3	6	6	45	85
Transfer to General Capital Fund	959			400	205	2,553
Total Direct Costs	959	3	6	406	250	2,638
Less: Incremental Revenue/Recovery	112	73	73	81	33	96
Net Cost/(Benefit)	847	(70)	(67)	325	217	2,542
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The program will include the following types of work which will be prioritized by need:

- Management of Dutch Elm Disease (DED)
- Emerald Ash Borer Beetle (EAB) response
- Tree pruning, removals and replacements
- Installation of tree vaults and silva cells along major routes (coordinate with street and sidewalk renewals where possible)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Library Facility Safety, Security and Accessibility Improvements Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000121
Service: Libraries
OurWinnipeg: Libraries

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	150	100	-	200	-	450	450
Financed by:									
Federal Gas Tax				100				100	100
External Debt			150					150	150
Transfer from Prior Year Authorization						200		200	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	150	100	-	200	-	-	450
Financed by:								
Federal Gas Tax			100					100
External Debt		150						150
Transfer from Prior Year Authorization					200			200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		6	11	11	11	11
Transfer to General Capital Fund						
Total Direct Costs	-	6	11	11	11	11
Less: Incremental Revenue/Recovery		5	1		7	
Net Cost/(Benefit)	-	1	10	11	4	11
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required to address three areas:

1. Safety issues need to be addressed in many libraries including upgrading lighting, installing and upgrading closed circuit television (CCTV) video monitoring technology, exterior Crime Prevention Through Environmental Design (CPTED) improvements, and other building upgrades, as required, to ensure that libraries remain safe and welcoming to the community and deter vandalism and graffiti.

2. Accessibility issues, both physical and customer service related, need to be addressed including adding exterior ramps, upgrading public and staff washrooms, improving way finding signage, and installing life safety apparatus to meet the needs of persons with disabilities.

3. Signage needs on the exterior and interiors of library facilities, including electronic signs, for promotion of services and programs are required to make libraries more visible to the community.

Each year a portion of the funds will be utilized for projects within library facilities based upon established priorities.

Included in 2024 is $200,000 rebudgeted from the adopted 2017 and 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Library Refurbishment & Interior Infrastructure Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000221

Service: Libraries
OurWinnipeg: Libraries

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	150	-	-	650	-	800	800
Financed by:									
Federal Gas Tax			150			299		449	449
Transfer from Prior Year Authorization						351		351	351

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	150	-	-	650	-	-	800
Financed by:								
Federal Gas Tax		150			299			449
Transfer from Prior Year Authorization					351			351

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		2			15	
Net Cost/(Benefit)	-	(2)	-	-	(15)	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This capital program is required to support minor renovations and replacement of interior infrastructure (e.g. workstations, public work space, furniture, shelving and children's literacy areas) at libraries. Renovations and interior infrastructure replacement is required in order to ensure that library branches are safe, functional, accessible and part of a welcoming environment for library users, that meet defined customer levels of service.

Included in 2024 is $351,000 rebudgeted from the adopted 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Library Technology Upgrade and Replacement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6210000320
Service: Libraries
OurWinnipeg: Libraries

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	183	-	-	325	-	350	675	858
Financed by:									
Cash to Capital					317		350	667	667
Federal Gas Tax					8			8	8
External Debt		67						-	67
Transfer from Prior Year Authorization		116						-	116

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	183	-	-	325	-	350	-	858
Financed by:								
Cash to Capital				317		350		667
Federal Gas Tax				8				8
External Debt	67							67
Transfer from Prior Year Authorization	116							116

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	3	4	4	4	4	4
Transfer to General Capital Fund				317		350
Total Direct Costs	3	4	4	321	4	354
Less: Incremental Revenue/Recovery	6			10		11
Net Cost/(Benefit)	(3)	4	4	311	4	343
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Winnipeg Library Service supports the digital economy and fosters digital literacy by making public access computers available to all customers. Capital funds are required to upgrade and replace public access and staff personal computers and support new innovative and efficient technology applications in libraries to address the changing needs of customers and move towards consistent service levels in all facilities by:

- Increasing the number of public access computers system wide.

- Upgrading and replacing aging public access computers, monitors and peripheral devices.

- Providing access to public training sessions using current eReader and mobile technology.

- Expanding and enhancing information services through technological innovation and digitalization projects.

The acquisition of information technology has an impact on the Library Services operating budget due to maintenance and/or licensing costs associated with equipment and applications.

Included in 2020 is $116,000 rebudgeted from the adopted 2019 capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **West Kildonan GoLibrary**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 62100000420

Service: Libraries
OurWinnipeg: Libraries

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	242	-	-	-	-	-	-	242
Financed by:									
Federal Gas Tax		242						-	242

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	242	-	-	-	-	-	-	242
Financed by:								
Federal Gas Tax	242							242

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	3					
Net Cost/(Benefit)	(3)	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Recognizing that the City of Winnipeg does not provide service to the Old Kildonan community through a dedicated library branch within the community, a GoLibrary automated kiosk system service will be implemented in the Old Kildonan community in 2020 to provide an easy-to-use and convenient service to customers.

The 2019 capital authorization for this project has been transferred to other capital programs in the 2020 budget and five-year capital forecast - see Appendix 4.

Project Name: **Recreational Facility Safety, Security and Accessibility Improvements Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6250000121

Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	235	130	150	279	190	984	984
Financed by:									
Cash to Capital							190	190	190
Federal Gas Tax			73		150	108		331	331
External Debt			50					50	50
Transfer from Prior Year Authorization			112	130		171		413	413

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	235	130	150	279	190	-	984
Financed by:								
Cash to Capital						190		190
Federal Gas Tax		73		150	108			331
External Debt		50						50
Transfer from Prior Year Authorization		112	130		171			413

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		1	4	4	4	4
Transfer to General Capital Fund						190
Total Direct Costs	-	1	4	4	4	194
Less: Incremental Revenue/Recovery		6	4	2	7	6
Net Cost/(Benefit)	-	(5)	-	2	(3)	188
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This capital program addresses workplace and public safety, health, and accessibility issues.

Recreation and aquatic facility amenities must be refurbished to meet public health and safety standards, regulations, and to enhance facilities to meet the needs of the public including:

1. Safety issues need to be addressed including upgrading lighting, installing and upgrading closed circuit television (CCTV) video monitoring technology, automated external defibrillator (AED's) replacements at facilities and other building upgrades as required to ensure that facilities remain safe and welcoming to the community.

2. Address physical and customer service accessibility issues including washrooms, change rooms, specialty change rooms, kitchens, signage, public entranceways and installing life safety apparatus to meet the needs of persons with disabilities. Priority projects include renovation of the community kitchens at Magnus Eliason Recreation Centre and/or Turtle Island Recreation Centre to meet accessibility and public health requirements as well as community program needs.

3. Upgrades and replacements to facility signage including electronic signs for promotion of services and programs.

Each year a portion of the funds will be utilized for projects within the City's aquatic facilities and recreation centres based upon established priorities.

Funding includes $413,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Fitness Equipment Upgrade Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6250000220
Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	285	300	295	310	320	330	1,555	1,840
Financed by:									
Cash to Capital							326	326	326
Federal Gas Tax		285	300	295	178	255	4	1,032	1,317
Transfer from Prior Year Authorization					132	65		197	197

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	285	300	295	310	320	330	-	1,840
Financed by:								
Cash to Capital						326		326
Federal Gas Tax	285	300	295	178	255	4		1,317
Transfer from Prior Year Authorization				132	65			197

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						326
Total Direct Costs	-	-	-	-	-	326
Less: Incremental Revenue/Recovery	4	4	4	7	5	11
Net Cost/(Benefit)	(4)	(4)	(4)	(7)	(5)	315
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required to replace cardio and strength based fitness equipment, on a rotating cycle, at the City's multi-use recreation and aquatic facilities, to continue to meet the program needs of patrons, and to minimize safety issues that could arise from aging fitness equipment. Life cycle renewal of fitness equipment is a key part of the department's asset management plan in order to maintain customer levels of service.

Funding includes $197,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362500217
Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,000	3,700	-	-	-	-	-	-	3,700
Financed by:									
Federal Gas Tax		1,400						-	1,400
External Debt		2,300						-	2,300

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	3,700	-	-	-	-	-	-	3,700
Financed by:								
Federal Gas Tax	1,400							1,400
External Debt	2,300							2,300

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	90	149	149	149	149	149
Transfer to General Capital Fund						
Total Direct Costs	90	149	149	149	149	149
Less: Incremental Revenue/Recovery	92					
Net Cost/(Benefit)	(2)	149	149	149	149	149
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Capital funding in 2019 and previous budgets is for renovation and renewal of the St. James Civic Centre building systems to ensure continued facility operation. Critical building systems (e.g. electrical, heating, ventilation and air conditioning, building envelope and mechanical) within the facility have reached the end of their useful life and require repair or replacement. The project will also address building code compliance within the existing facility. The total project cost for building systems renewals is $6.0 million. Design and construction documents for the building systems work was developed in 2019, with construction in 2020.

On October 24, 2019, Council authorized a first charge of up to $3.7 million in 2019 or prior to the adoption of the 2020 Capital Budget to facilitate timely delivery of the project.

Projected funding of $3.7 million in 2020 is required for structural repairs of the St. James Civic Centre Arena (Ab McDonald Memorial Arena) concrete slab and building envelope renewal in the facility for total facility renewal funding of $9.7 million. Additional engineering analysis and development of a class 3 estimate is required to confirm final project scope and costs. Construction will not commence until a class 3 estimate is obtained.

The St. James Civic Centre - Facility Expansion project was approved by Council on September 26, 2019, as one of the projects for federal and provincial funding under the Investing in Canada Infrastructure Program.

Project Name: **St. James Community Recreation Amenities**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6255000420
Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,400	-	-	-	-	-	-	1,400
Financed by:									
Land Operating Reserve		1,400							1,400

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,400	-	-	-	-	-	-	1,400
Financed by:								
Land Operating Reserve	1,400							1,400

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	46					
Net Cost/(Benefit)	(46)	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

These capital funds will provide new, enhanced, or refurbished recreation and park amenities in the St. James community and include community input through a public consultation process.

On January 25, 2018, Council approved:

• That a $1.4 million commitment from the Land Operating Reserve, for investment in the development of recreation amenities within the Assiniboia Community Committee area be referred to the 2019 budget;

• That a portion of the $1.4 million be used in consultation with the Public Service to enhance the trails, lighting, security and green space along Sturgeon Creek in the area of 255 Hamilton Avenue;

• That a public consultation process be implemented within the proximity of 255 Hamilton Avenue, subsequent to approval of the $1.4 million in the 2019 budget, to seek community input on the development of recreation amenities with the remainder of the $1.4 million;

• That the public consultation be funded from the Commitment Reserve out of $50,000 set aside in the 2014 budget per the intention of Recommendation 9 of Item #9 of the Report of the Executive Policy Committee dated February 22, 2013, adopted by Council on February 27, 2013.

Two phases of public engagement took place between July and October, 2019 that included an online survey to confirm current use and needs for parks and recreation amenities, two public workshops and an online 'budget allocator' survey to confirm project priorities. From that input, the following four projects were prioritized for implementation through the $1.4 million in funding:

• Upgrade the wading pool at Assiniboia West C.C. (Buchanan site) with spray features, safety surfacing, benches and landscaping, as well as renewal of the existing wading pool asset.

• Development of an off-leash dog area near Sturgeon Road and Silver Ave.

• Lighting and asphalt pathway improvements on Sturgeon Creek Greenway between Hamilton Ave. and Saskatchewan Ave.

• Voyageur Park improvements including new fitness nodes.

Construction will not proceed until a class 3 estimate is obtained.

Project Name: **East of the Red RecPlex**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362500825

Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	1,000	1,000	1,000
Financed by:									
Cash to Capital							1,000	1,000	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	1,000	-	1,000
Financed by:								
Cash to Capital						1,000		1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						1,000
Total Direct Costs	-	-	-	-	-	1,000
Less: Incremental Revenue/Recovery						33
Net Cost/(Benefit)	-	-	-	-	-	967
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Capital funding is required to develop a regional recreation and aquatic facility that would include a leisure pool, 8 lane swim tank, indoor track, fitness areas, gymnasium and multi-purpose rooms all attached to the newly constructed Transcona Library at the former 1500 Plessis site.

The existing Transcona Centennial Indoor Pool and other facilities in the area are near the end of their service life and are in need of significant investment or replacement. These buildings also do not currently meet accessibility standards and service expectations. The proposed new facility would provide a state of the art, energy-efficient public amenity, while allowing for the decommissioning of existing, aging assets.

In addition, northeast Winnipeg has experienced significant growth and currently lacks adequate City-owned recreation space to provide Leisure Guide or drop-in recreation/leisure programming. The proposed facility will provide the multi-purpose and gymnasium space to meet these service needs.

Funding in 2025 is for public engagement, project planning and preliminary design to develop a class 3 cost estimate to inform capital budget requirements. Project construction will not proceed until a class 3 estimate is obtained.

Project Name: **Repair and Renovation of Pan Am Pool Universal Change Rooms**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362400521
Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	940	-	-	-	-	940	940
Financed by:									
Federal Gas Tax			940					940	940

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	940	-	-	-	-	-	940
Financed by:								
Federal Gas Tax		940						940

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		12				
Net Cost/(Benefit)	-	(12)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Capital funding is required to support renovations to the specialty change rooms including the development of universal change rooms at the Pan Am Pool. The existing facility is inadequate to fully meet service requirements of the community and does not meet City of Winnipeg Universal Design / Accessibility Standards.

The Pan Am Pool Feasibility Study was completed in September 2015. The study identified a number of requirements that also included the need for renovations to the specialty change rooms and the development of universal / family change Rooms.

Capital funding for the Pan Am Pool Change Room Upgrade in 2021 includes development of tender documents and construction.

Project Name: **Boni-Vital Pool**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362400321
Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	432	-	5,360	-	-	-	-	5,360	5,360
Financed by:									
Federal Gas Tax			5,360					5,360	5,360

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	5,360	-	-	-	-	-	5,360
Financed by:								
Federal Gas Tax		5,360						5,360

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		67				
Net Cost/(Benefit)	-	(67)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Capital funding is required to support facility renewal and upgrades to extend the service life of Boni-Vital Pool, including but not limited to critical building systems renewal, accessibility improvements and renovation of public spaces.

The current funding requirements are based on class 5 estimates developed through planning level assessments and previous building studies. These funding requirements will be revised as engineering progresses; cost estimates will be updated to class 3 prior to construction.

Capital funds in 2021 include $500,000 for preliminary design and $4.86 million for construction.

With the adoption of the 2020 capital budget, Council authorizes a first charge of $500,000 in 2020 or prior to the adoption of the 2021 capital budget to facilitate timely delivery of the project.

Project Name: **Technology Advancement Program**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6262000121

Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	100	-	-	310	-	410	410
Financed by:									
Cash to Capital						310		310	310
External Debt			100					100	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	100	-	-	310	-	-	410
Financed by:								
Cash to Capital					310			310
External Debt		100						100

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		5	7	7	7	7
Transfer to General Capital Fund					310	
Total Direct Costs	-	5	7	7	317	7
Less: Incremental Revenue/Recovery		3			10	
Net Cost/(Benefit)	-	2	7	7	307	7
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Capital funding is required for technological initiatives which allow Community Services to upgrade existing information technology systems and introduce new / innovative technologies. The projects will incorporate technology that will allow increased efficiencies and reliability, and improve service delivery by being more responsive to customers. The funding will be used for hardware, software and consulting services.

Projects for 2021 may include but are not limited to:

1. Staff Scheduling System to enable enhance scheduling efficiency of staff at facilities.

2. Facility Utilization Data Collection System for various sites and review of possible pilot sites including indoor and outdoor pools.

3. Continuation of the Advertising Program which includes the implementation of digital displays signage at Community Services facilities.

4. Electronic reader outdoor signage for multi-use recreation and aquatic facilities.

5. Charging Stations for several indoor pool and recreation facilities.

6. Miscellaneous upgrades including the purchasing and installation of projectors, mobile software, etc.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Community Centre Renovation Grant Program (CCRGP)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6252000120

Service: Recreation
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,000	2,000	2,000	2,000	965	965	7,930	9,930
Financed by:									
Financial Stabilization Reserve		1,035	1,035	1,035	1,035			3,105	4,140
Land Operating Reserve		965	965	965	965	965	965	4,825	5,790

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,000	2,000	2,000	2,000	965	965	-	9,930
Financed by:								
Financial Stabilization Reserve	1,035	1,035	1,035	1,035				4,140
Land Operating Reserve	965	965	965	965	965	965		5,790

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

The Community Centre Renovation Grant Program (CCRGP), approved in February 2012, is to provide up to $965,000 in dedicated funding to renovation projects for city-owned, board-run community centres in order to maintain and/or improve community centre infrastructure. On March 20, 2019, Council approved an increase to the program with an annual transfer of $1.035 million starting in 2019, up to 2023. The program is open to all General Council Winnipeg Community Centres (GCWCC) in Winnipeg, is subject to an application process with two intake periods per year, project evaluation completed by a joint committee of GCWCC and the City, with maximum City contributions to each project of $100,000 per project, subject to the grant program criteria.

Annually, up to $965,000 is funded by the Land Operating Reserve. Transfers from the Land Operating Reserve (not to exceed $1.2 million in aggregate) to the General Revenue Fund ($235,000 for GCWCC programming grant) and General Capital Fund ($965,000 for this CCRGP) are to be equal to 15% of the aggregate of gross land sales and the City's proportionate share of land sales derived from government business partnerships for the fiscal year two years prior to the budget year under consideration (e.g. transfer amounts for the 2020 budget year are based on 15% of the aggregate of actual gross land sales and the City’s proportionate share of land sales derived from government business partnerships from 2018).

If actual gross land sales and the City's proportionate share of land sales derived from government business partnerships are less than the amount to achieve the maximum $1.2 million aggregate amount (i.e. $235,000 programming grant + $965,000 for the CCRGP) for this program, the transfer to the General Revenue Fund of up to $235,000 is made first with the residual balance, if any, transferred to the General Capital Fund for the CCRGP.

An additional $1.035 million per year is provided for the program for five years beginning in 2019 and is funded from the Financial Stabilization Reserve.

Operating expenses for 1 temporary full-time equivalent, effective in 2020, are required to administer the expanded program and will be fully recovered through the CCRGP capital.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Community Incentive Grant Program (CIGP)**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6251000120
Service: Neighbourhood Revitalization
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,000	1,000	1,000	-	-	-	2,000	3,000
Financed by:									
Cash to Capital		1,000						-	1,000
External Debt			1,000	1,000				2,000	2,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,000	1,000	1,000	-	-	-	-	3,000
Financed by:								
Cash to Capital	1,000							1,000
External Debt		1,000	1,000					2,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,000	-	-	-	-	-
Total Direct Costs	1,000	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	1,000	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

The Community Incentive Grant Program (CIGP), established by Council on March 6, 1985, was designed to encourage non-profit community recreation and sport organizations to undertake capital projects which would result in long-term benefits to the community at large in terms of improved service and facilities. On July 23, 2003, and again on July 18, 2012, Council adopted expanded criteria for the program.

Community committees are the delegated authority to allocate CIGP funding.

Operating expenses for 1 full-time equivalent Community Development Worker is budgeted in the operating budget and recovered through the CIGP capital for direct costs to administer the program.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6200000120
Service: Arts, Entertainment and Culture
OurWinnipeg: Creativity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	4,600	2,000	2,000	2,000	2,000	2,000	10,000	14,600
Financed by:									
Cash to Capital		2,600			1,638	1,690	2,000	5,328	7,928
External Debt		2,000	2,000	1,000	45			3,045	5,045
Federal Gas Tax				1,000				1,000	1,000
Transfer from Prior Year Authorization					317	310		627	627

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	4,600	2,000	2,000	2,000	2,000	2,000	-	14,600
Financed by:								
Cash to Capital	2,600			1,638	1,690	2,000		7,928
External Debt	2,000	2,000	1,000	45				5,045
Federal Gas Tax			1,000					1,000
Transfer from Prior Year Authorization				317	310			627

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	78	212	313	334	334	334
Transfer to General Capital Fund	2,600			1,638	1,690	2,000
Total Direct Costs	2,678	212	313	1,972	2,024	2,334
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	2,678	212	313	1,972	2,024	2,334
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

These capital dollars represent the City's ongoing commitment to Assiniboine Park building repairs, upgrades and park improvements.

The first year of funding for this capital grant was 2010 with $5.123 million provided each year from 2010 to 2019.

The capital grant was subject to redetermination after 2019.

The release of capital funds is subject to annual explanation and submission from APC of projected cash flow needs, to the Public Service.

As this is a capital grant program, it is exempt from interest and administrative overhead capital charges.

Funding includes $627,000 rebudgeted from 2019 adopted capital programs - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this program's on-going nature.

Project Name: **Millennium Library Community Connections Space**

Standing Policy Committee: Protection, Community Services and Parks

Department: Community Services
Project: 6362100920
Service: Libraries
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	236	-	-	-	-	-	-	236
Financed by:									
Destination Marketing Reserve		236						-	236

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	236	-	-	-	-	-	-	236
Financed by:								
Destination Marketing Reserve	236							236

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	25	25	25	25	25	25
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	25	25	25	25	25	25
Less: Incremental Revenue/Recovery	8					
Net Cost/(Benefit)	17	25	25	25	25	25
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Capital funding for this project will be used to transform the former coffee shop located in the main floor lobby of Millennium Library into a Community Connection space. This new, highly visible service area will provide library visitors with access to specific services, including:

- Access to Library Community Crisis Workers (CCW) and community social agencies in a semi-private space
- Community meeting space for Community Crisis Workers and other agencies to meet, network, and share information and resources
- Access to print and other resources on library services and handouts on local mental health, substance use, and basic needs resources

On January 30, 2020, Council approved this project as part of the Downtown Public Safety Strategy (Phase 2).

Total capital funding request for this project is based on a preliminary class 5 estimate for planning, design and construction and is subject to change as class estimates are revised.

Construction will not commence until a class 3 estimate is obtained.

Project Name: **East District Police Station**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 6331002820

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	13,925	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,056	1,056	1,056	1,089	1,155	1,155	5,511	6,567
Public Private Partnership Lease Payments		(1,056)	(1,056)	(1,056)	(1,089)	(1,155)	(1,155)	(5,511)	(6,567)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,056	1,056	1,056	1,089	1,155	1,155	15,950	22,517
Financed by:								
Cash to Capital	1,056	1,056	1,056	1,089	1,155	1,155	15,950	22,517

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,056	1,056	1,056	1,089	1,155	1,155
Total Direct Costs	1,056	1,056	1,056	1,089	1,155	1,155
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	1,056	1,056	1,056	1,089	1,155	1,155
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

On July 18, 2007, Council approved the award of a public-private partnership (P3) contract for the development and operation of the East District Police Station based on a 30-year lease term. Occupancy date was in September 2008.

The above annual cash flow estimates include the authorization for the lease payments to be incurred and charged to the project in the General Capital Fund. They include technical maintenance, but not utility and other operating maintenance expenses.

As financing and administration costs are implicit in the lease payments, this capital project is exempt from the administration and short-term financing charge.

On March 22, 2016, Council authorized a first charge of up to 30% of the annual lease payments prior to the adoption of the annual capital budget, in the event the capital budget is adopted after December 31, in order to facilitate payments on the P3 contract.

In accordance with Bylaw 8164/2002, where the City's capital budget has not been adopted before January 1 of the year to which the budget is applicable, the Chief Administrative Officer is authorized, before the adoption of the capital budget, to approve expenditures not exceeding 30% of the amount the City of Winnipeg is contractually obligated to pay annually in respect of Public-Private Partnerships, as a first charge against the General Capital Fund.

Project Name: **Evidence Archive Building - Tenant Improvement**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205800020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	500	-	-	-	-	-	-	500
Financed by:									
External Debt		500						-	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	-	-	-	-	-	-	500
Financed by:								
External Debt	500							500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	20	33	33	33	33	33
Transfer to General Capital Fund						
Total Direct Costs	20	33	33	33	33	33
Less: Incremental Revenue/Recovery	16					
Net Cost/(Benefit)	4	33	33	33	33	33
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Tenant improvements are required to upgrade leased accommodations for the Evidence Archive Facility.

While the new headquarters had provided comparable square footage it had not provided comparable cubic footage and, with additional number of exhibits that need to be stored every year, space requirements will continue to grow. A lease site has yet to be identified and the class estimate will be refined as the project advances.

Construction will not proceed until a Class 3 estimate is obtained.

Project Name: **Technology Upgrades - Information Systems**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203200024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,200	-	-	-	-	1,325	112	1,437	1,437
Financed by:									
Cash to Capital						1,325	112	1,437	1,437

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	1,325	112	-	1,437
Financed by:								
Cash to Capital					1,325	112		1,437

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund					1,325	112
Total Direct Costs	-	-	-	-	1,325	112
Less: Incremental Revenue/Recovery					43	4
Net Cost/(Benefit)	-	-	-	-	1,282	108
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Technological changes in information systems requires upgrading and evergreening. Systems include core switches, firewalls, network storage, and business continuity infrastructure to support current level of service.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **North Station Information Technology Requirements**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2201700021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	300	-	190	-	-	-	-	190	190
Financed by:									
Cash to Capital			190					190	190

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	190	-	-	-	-	-	190
Financed by:								
Cash to Capital		190						190

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		190				
Total Direct Costs	-	190	-	-	-	-
Less: Incremental Revenue/Recovery		6				
Net Cost/(Benefit)	-	184	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

New District 3 (North Station) information technology requirements to align with capital funding allocated for a new station in 2021. Equipment includes net new computer and networking hardware for building security and connectivity with Headquarters.

Project Name: **In Car Computing**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203700020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	500	-	-	-	-	1,736	1,736	2,236
Financed by:									
Cash to Capital		500					1,736	1,736	2,236

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	-	-	-	-	1,736	-	2,236
Financed by:								
Cash to Capital	500					1,736		2,236

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	500					1,736
Total Direct Costs	500	-	-	-	-	1,736
Less: Incremental Revenue/Recovery	16					56
Net Cost/(Benefit)	484	-	-	-	-	1,680
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The mobile computing technology in Police Service vehicles must be evergreened every 5 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Currently 235 vehicles require mobile computing devices plus a small contingency for spare devices. This includes the evergreening of laptops/tablets and keyboards, docks, modems, antennae, mounting equipment and associated cabling necessary to maintain connectivity with Winnipeg Police Service Public Safety systems. Ergonomically placed computing devices in vehicles are critical for prevention of injuries to police officers. The increase in funding for 2025 is due to program expansion of mobile computing into other specialty unit fleet vehicles and consolidation of mobile computer hardware evergreening.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Evidence Archive Building - Racking System**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205900020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	841	-	-	-	-	-	-	841
Financed by:									
External Debt		841						-	841

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	841	-	-	-	-	-	-	841
Financed by:								
External Debt	841							841

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	52	105	105	105	105	105
Transfer to General Capital Fund						
Total Direct Costs	52	105	105	105	105	105
Less: Incremental Revenue/Recovery	27					
Net Cost/(Benefit)	25	105	105	105	105	105
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

An archive racking system is required to house archived exhibits with more efficient utilization of space. The high density shuttle racking system will hold approximately 2,000 pallets of exhibits for a projected capacity life of 30 years.

Project Name: **North District Station - Furniture, Fixtures and Equipment**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206000021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	700	-	-	-	-	700	700
Financed by:									
Cash to Capital			700					700	700

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	700	-	-	-	-	-	700
Financed by:								
Cash to Capital		700						700

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		700				
Total Direct Costs	-	700	-	-	-	-
Less: Incremental Revenue/Recovery		23				
Net Cost/(Benefit)	-	677	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

New District 3 (North Station) furnishings, fixtures and equipment to align with capital funding allocated for a new station in 2021. Equipment includes new workstations, tables, chairs and case goods.

Project Name: **Computer Assisted Dispatch Upgrade**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204700017

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	250	325	-	-	375	-	-	375	700
Financed by:									
Cash to Capital		325			375			375	700

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	325	-	-	375	-	-	-	700
Financed by:								
Cash to Capital	325			375				700

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	325			375		
Total Direct Costs	325	-	-	375	-	-
Less: Incremental Revenue/Recovery	11			12		
Net Cost/(Benefit)	314	-	-	363	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The Winnipeg Police Service's Computer Assisted Dispatch System (CAD) is evergreened on a 5-year cycle. The CAD system enables the Service to manage and dispatch emergency calls. The current system is a hybrid of digital and analogue technologies that requires phased upgrades to interface with the all-digital Next Generation 911 system.

This project is estimated in US dollars and converted to Canadian currency.

WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Next Generation 911**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2203600020

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	800	1,000	-	-	-	-	1,000	1,800
Financed by:									
Cash to Capital		800	1,000					1,000	1,800

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	800	1,000	-	-	-	-	-	1,800
Financed by:								
Cash to Capital	800	1,000						1,800

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	800	1,000				
Total Direct Costs	800	1,000	-	-	-	-
Less: Incremental Revenue/Recovery	26	33				
Net Cost/(Benefit)	774	967	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Technological changes in 911 to include the latest upgrades to telephony and 911 systems with provisions for video/texting and other technological advancements. This will include upgrade to a fully Public Safety grade internet protocol network at both the primary and back up Public Safety Answering Point and the required upgrades to standard operating guidelines and inter-operability with partner agencies.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Automated Fingerprint Identification System (AFIS)**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205600021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	500	-	-	-	-	500	500
Financed by:									
Cash to Capital			500					500	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Cash to Capital		500						500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		500				
Total Direct Costs	-	500	-	-	-	-
Less: Incremental Revenue/Recovery		16				
Net Cost/(Benefit)	-	484	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The programmable matching accelerator is a critical component of the Automated Fingerprint Identification System, which is used to capture and search fingerprint records. At the current rate, our existing system will reach its capacity in 2021. This amount is requested to increase storage capacity.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Police Headquarters Information System Upgrades**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204900021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,100	-	-	-	-	2,100	2,100
Financed by:									
Cash to Capital			2,100					2,100	2,100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	2,100	-	-	-	-	-	2,100
Financed by:								
Cash to Capital		2,100						2,100

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		2,100				
Total Direct Costs	-	2,100	-	-	-	-
Less: Incremental Revenue/Recovery		68				
Net Cost/(Benefit)	-	2,032	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

This evergreening initiative is to upgrade and replace time expired information system equipment for the centralized server, networking, backup and security hardware. The hardware supports department-wide information systems to maintain current levels of response.

Project Name: **Schedule and Management System Upgrade**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2204800021

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Cash to Capital			500					500	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Cash to Capital		500						500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		500				
Total Direct Costs	-	500	-	-	-	-
Less: Incremental Revenue/Recovery		16				
Net Cost/(Benefit)	-	484	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The Schedule and Management System (SAMS) is an in-house developed rostering and overtime control system used to maintain member attendance and shift scheduling records. The current system requires a major rewrite in 2021 to align SAMS with the updated City of Winnipeg payroll software.

Project Name: **Technological Crime Infrastructure**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	380	-	380	380
Financed by:									
Cash to Capital						380		380	380

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	380	-	-	380
Financed by:								
Cash to Capital					380			380

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund					380	
Total Direct Costs	-	-	-	-	380	-
Less: Incremental Revenue/Recovery					12	
Net Cost/(Benefit)	-	-	-	-	368	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

This evergreening initiative is to upgrade and replace information system equipment used in support of technological criminal investigations. This equipment will support directed, focused, gathering of information to support criminal investigations within the Winnipeg Police Service and in partnership with other outside agencies.

Project Name: **Building Security System Evergreening**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	159	-	-	159	159
Financed by:									
Cash to Capital					159			159	159

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	159	-	-	-	159
Financed by:								
Cash to Capital				159				159

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund				159		
Total Direct Costs	-	-	-	159	-	-
Less: Incremental Revenue/Recovery				5		
Net Cost/(Benefit)	-	-	-	154	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Evergreening project to replace equipment supporting facility security systems to ensure that the building security information technology hardware and software are stable, current, and run without failure. Systems include card access, video management system, key management, intercom and paging system hardware for all Winnipeg Police Service facilities.

Project Name: **Flight Operations Overhaul**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205200022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	602	-	-	-	602	602
Financed by:									
Cash to Capital				602				602	602

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	602	-	-	-	-	602
Financed by:								
Cash to Capital			602					602

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			602			
Total Direct Costs	-	-	602	-	-	-
Less: Incremental Revenue/Recovery			20			
Net Cost/(Benefit)	-	-	582	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The helicopter (AIR1) will require an overhaul as part of the scheduled 12,000 hour inspection as dictated by the Canadian Aviation Regulations. This is a restoration process that includes the disassembly, inspection, repair or replacement of parts, reassembly, adjustment, refinishing, and testing of AIR1 and ensures that the helicopter is in complete conformity with the service tolerances specified for continued airworthiness.

Project Name: **Flight Operations - Forward Looking Infra-Red (FLIR) Equipment**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205300022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	792	-	-	-	792	792
Financed by:									
Cash to Capital				792				792	792

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	792	-	-	-	-	792
Financed by:								
Cash to Capital			792					792

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			792			
Total Direct Costs	-	-	792	-	-	-
Less: Incremental Revenue/Recovery			26			
Net Cost/(Benefit)	-	-	766	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

To replace the existing Forward Looking Infra-Red equipment installed on the helicopter, as it is reaching the end of its life expectancy.

This gyroscopically stabilized high definition infrared camera has a high power optical zoom as well as thermal imagery, which tracks people or evidence by heat signatures, video image or a blended image.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Technical Surveillance Systems**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205400022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	400	-	-	-	400	400
Financed by:									
Cash to Capital				400				400	400

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	400	-	-	-	-	400
Financed by:								
Cash to Capital			400					400

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			400			
Total Direct Costs	-	-	400	-	-	-
Less: Incremental Revenue/Recovery			13			
Net Cost/(Benefit)	-	-	387	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This project will update and replace time expired digital technical surveillance equipment for voice and data intercept systems. This equipment will support directed, focused gathering of information to support criminal investigations within the Service and in partnership with other outside agencies.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Communication Sites Upgrade - Audio Loggers**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205700022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,453	-	-	-	1,453	1,453
Financed by:									
Cash to Capital				1,453				1,453	1,453

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	1,453	-	-	-	-	1,453
Financed by:								
Cash to Capital			1,453					1,453

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			1,453			
Total Direct Costs	-	-	1,453	-	-	-
Less: Incremental Revenue/Recovery			47			
Net Cost/(Benefit)	-	-	1,406	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Funding for upgrading audio loggers and related Next Generation 911 equipment at the 911 communication centre and backup site. The loggers are evergreened on a 5-year plan to ensure operations of the main and back-up sites comply with Public Safety Answering Point legislation timelines for bringing systems back online.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Call Answer Software**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2205200023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	1,000	-	-	1,000	1,000
Financed by:									
Cash to Capital					1,000			1,000	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	1,000	-	-	-	1,000
Financed by:								
Cash to Capital				1,000				1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund				1,000		
Total Direct Costs	-	-	-	1,000	-	-
Less: Incremental Revenue/Recovery				33		
Net Cost/(Benefit)	-	-	-	967	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Call answer software system will integrate industry standard dispatch protocol with Next Generation 911 hardware. The results of this project will assist call takers in Case Entry and Key Questioning using a decision tree algorithm to manage operational risk.

This project is estimated in US dollars and converted to Canadian currency.

Project Name: **Communication Sites - Radio Consoles/Batteries**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206200024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	575	-	575	575
Financed by:									
Cash to Capital						575		575	575

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	575	-	-	575
Financed by:								
Cash to Capital					575			575

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund					575	
Total Direct Costs	-	-	-	-	575	-
Less: Incremental Revenue/Recovery					19	
Net Cost/(Benefit)	-	-	-	-	556	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Replacing radio consoles and batteries at the 911 communication centre and backup site. The radio consoles are evergreened on a 5-year plan to ensure operations of the main and back-up sites comply with Public Safety Answering Point legislation timelines for bringing systems back online.

Project Name: **E-ticketing Hardware**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 2206300024

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	700	-	-	-	-	375	-	375	375
Financed by:									
Cash to Capital						375		375	375

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	375	-	-	375
Financed by:								
Cash to Capital					375			375

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund					375	
Total Direct Costs	-	-	-	-	375	-
Less: Incremental Revenue/Recovery					12	
Net Cost/(Benefit)	-	-	-	-	363	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The driver licence scanners and printers that support e-ticketing processes in Police Service vehicles must be evergreened every 5 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Ergonomic placement of properly suited technical equipment is critical for prevention of injuries to police officers.

Project Name: **Indoor Firing Range**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220010023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	150	-	-	150	150
Financed by:									
Cash to Capital					150			150	150

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	150	-	-	-	150
Financed by:								
Cash to Capital				150				150

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund				150		
Total Direct Costs	-	-	-	150	-	-
Less: Incremental Revenue/Recovery				5		
Net Cost/(Benefit)	-	-	-	145	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

This building is required to establish an indoor firing range as the current range is outdoors and cannot be used during the coldest months of the year.

Funding will be used to complete the preliminary design.

Project Name: **Active Shooter Response Training Facility**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220020023

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	150	-	-	150	150
Financed by:									
Cash to Capital					150			150	150

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	150	-	-	-	150
Financed by:								
Cash to Capital				150				150

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund				150		
Total Direct Costs	-	-	-	150	-	-
Less: Incremental Revenue/Recovery				5		
Net Cost/(Benefit)	-	-	-	145	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

A new facility is needed to meet legislated requirements to provide training programs for active shooter scenarios.

Funding will be used to complete the preliminary design.

Project Name: **Vehicle Inspections - Weigh Scale**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220030025

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	250	250	250
Financed by:									
Cash to Capital							250	250	250

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	250	-	250
Financed by:								
Cash to Capital						250		250

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						250
Total Direct Costs	-	-	-	-	-	250
Less: Incremental Revenue/Recovery						8
Net Cost/(Benefit)	-	-	-	-	-	242
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The fixed vehicle weigh scale is projected to reach the end of its useful life in 2025. It is used to satisfy the requirements in the Highway Traffic Act to accurately measure overweight vehicles.

Project Name: **Police Vehicle Operations - Facility**

Standing Policy Committee: Winnipeg Police Board

Department: Winnipeg Police Service
Project: 220040022

Service: Police Response
OurWinnipeg: Collaborate to Make Safe Communities

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,800	1,200	-	-	3,000	3,000
Financed by:									
Cash to Capital				1,800	1,200			3,000	3,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	1,800	1,200	-	-	-	3,000
Financed by:								
Cash to Capital			1,800	1,200				3,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			1,800	1,200		
Total Direct Costs	-	-	1,800	1,200	-	-
Less: Incremental Revenue/Recovery			59	39		
Net Cost/(Benefit)	-	-	1,741	1,161	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

Repaving asphalt for the Police Vehicle Training facility. The track is at risk of accelerating damage on the training vehicles.

Project Name: **Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2111020922

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	13,439	-	-	-	13,439	13,439
Financed by:									
External Debt				12,839				12,839	12,839
Interim Financing from Land Operating Reserve / (Repayment)				600		(600)		-	-
Land Operating Reserve						600		600	600

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	6,057	7,382	-	-	-	13,439
Financed by:								
External Debt			6,057	6,782				12,839
Interim Financing from Land Operating Reserve /(Repayment)				600	(600)			-
Land Operating Reserve					600			600

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges			242	688	881	881
Transfer to General Capital Fund						
Total Direct Costs	-	-	242	688	881	881
Less: Incremental Revenue/Recovery			197	240		
Net Cost/(Benefit)	-	-	45	448	881	881
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

With this capital funding the Winnipeg Fire Paramedic Service seeks to maximize the efficiency of the station network. This is achieved through relocations, replacements, and major enhancements to stations that help reduce costs but maintain the desired level of response.

Consolidate St. Boniface Industrial Area station (9, Marion) and Windsor Park station (15, Autumnwood). The new consolidated station will service the industrial area currently served by the St. Boniface Industrial Area station. This station will support a relocated ambulance from the Fort Rouge station (30) as well as an engine, a rescue, a water tanker, and existing fire prevention officers into the new station.

2022:

- Finalize detail design and begin construction.

2023:

- Complete construction.

- Decommission Marion station for resale.

The Land Operating Reserve funding amount shown above is based on the assessed value of the disposition of Marion St. Station.

Project Name: **Facility Optimization - Waverley West Station**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2111021520

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,192	-	-	10,927	-	-	10,927	12,119
Financed by:									
External Debt		1,192			3,927			3,927	5,119
Impact Fee Reserve					7,000			7,000	7,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,192	-	-	5,238	5,689	-	-	12,119
Financed by:								
External Debt	1,192				3,927			5,119
Impact Fee Reserve				5,238	1,762			7,000

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	42	67	67	67	233	345
Transfer to General Capital Fund						
Total Direct Costs	42	67	67	67	233	345
Less: Incremental Revenue/Recovery	39			170	185	
Net Cost/(Benefit)	3	67	67	(103)	48	345
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

With this capital funding the Winnipeg Fire Paramedic Service seeks to maximize the efficiency of the station network. This is achieved through relocations, replacements, and major enhancements to stations that help reduce costs but maintain the desired level of response.

2020:

• Acquire land in order to secure a location for a new fire paramedic station.

2023:

• Preliminary land assessment and detailed design work.

• Begin construction.

2024:

• Complete construction.

Project Name: **Equipment Obsolescence**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2104000020

Service: Medical Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	5,232	1,043	3,852	841	1,017	1,138	7,891	13,123
Financed by:									
External Debt		4,501	304	1,963	106	120	26	2,519	7,020
Shared Health Capital Grant**		731	739	520	270	220	100	1,849	2,580
External Debt on behalf of Shared Health***				1,369	465	677	1,012	3,523	3,523

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	5,232	1,043	3,852	841	1,017	1,138	-	13,123
Financed by:								
External Debt	4,501	304	1,963	106	120	26		7,020
Shared Health Capital Grant**	731	739	520	270	220	100		2,580
External Debt on behalf of Shared Health***			1,369	465	677	1,012		3,523

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	498	1,046	1,305	1,548	1,575	1,008
Transfer to General Capital Fund						
Total Direct Costs	498	1,046	1,305	1,548	1,575	1,008
Less: Incremental Revenue/Recovery	155	19	87	13	15	15
Net Cost/(Benefit)	343	1,027	1,218	1,535	1,560	993
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

These capital funds support an ongoing program that deals with the replacement of equipment that is at the end of its operating life, to ensure the continuity of front line emergency services.

The Fire Paramedic Service needs to replace the following specialized equipment in a cyclical process as it nears the end of its operating life. Funding for this equipment is provided by both the City of Winnipeg (CoW) and Shared Health (SH). The following list identifies the equipment and the funding source:

2020

CoW funded assets:

• Self-Contained Breathing Apparatus equipment, which allows fire fighters to breathe when entering a building, to check for occupants, and to extinguish fires;

SH funded assets:

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Power stretchers to transfer patients to and from ambulances safely and smoothly without causing paramedic injury.

Equipment Obsolescence (continued):

2021

CoW funded assets:

• Consoles used by emergency call takers and dispatchers.

SH funded assets:

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Power stretchers to transfer patients to and from ambulances safely and smoothly without causing paramedic injury;

• Consoles used by emergency call takers and dispatchers.

2022

CoW funded assets:

• Tough books to provide fire fighters with information en route and to record incident details;

• P25 radio equipment replacement;

• VESTA system upgrade for Next Generation 911.

SH funded assets:

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Tough books to provide paramedics with information en route and to record incident details;

• P25 radio equipment replacement;

• VESTA system upgrade for Next Generation 911;

• SimMan replacement.

2023

CoW funded assets:

• Decontamination units to clean vehicles that are exposed to dangerous fluids and compounds;

• Mechanical hoist replacement to enable safe maintenance of Fire apparatus.

SH funded assets:

• Cardiac monitor/defibrillators to provide paramedics with mobile patient cardiac monitoring and resuscitation capabilities;

• Decontamination units to clean vehicles that are exposed to dangerous fluids and compounds;

• Stair chairs used to bring patients safely to the ambulance from higher levels.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

*** The City of Winnipeg will take out debt on behalf of Shared Health for this project. Shared Health will pay the interest and principal on this debt over an 8 year period.

Project Name: **Station Capital Maintenance**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 6321000020

Service: Fire and Rescue Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	4,581	1,371	101	601	651	481	3,205	7,786
Financed by:									
External Debt		1,504	610			158		768	2,272
Shared Health Capital Grant**		633	250					250	883
External Debt on behalf of Shared Health		2,444	511	101	601	493	481	2,187	4,631

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,477	2,675	981	721	951	981	-	7,786
Financed by:								
External Debt		2,114			158			2,272
Shared Health Capital Grant**	633	250						883
External Debt on behalf of Shared Health***	844	311	981	721	793	981		4,631

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges		102	206	206	214	223
Transfer to General Capital Fund						
Total Direct Costs	-	102	206	206	214	223
Less: Incremental Revenue/Recovery	18	76	12	9	15	12
Net Cost/(Benefit)	(18)	26	194	197	199	211
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

These capital funds support an ongoing program of repair and structural maintenance to ensure station asset lives are maximized, thereby ensuring the service has an operable station network from which emergency response vehicles can be deployed across the whole city to meet required response times.

2020

• Building repairs and reconfiguration to stations 5 and 30;

• Roof replacement for stations 10 and 24.

2021

• Building repairs and reconfiguration to stations 14, 20, 22, and 25;

• Roof replacement for stations 5;

• Security upgrades.

Station Capital Maintenance (continued):

2022

• Building repairs and reconfiguration to stations 6, 24 and 26;

• Roof replacement for stations 10, 20 and 25.

2023 and ongoing

• Building repairs and reconfiguration to various stations;

• Roof replacement for various stations;

• Concrete repairs to station forecourts.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

*** The City of Winnipeg will take out debt on behalf of Shared Health for this project. Shared Health will pay the interest and principal on this debt over an 8 year period.

Project Name: **Emergency Medical Services (EMS) Training Equipment**

Standing Policy Committee: Protection, Community Services and Parks

Department: Fire Paramedic Service
Project: 2108014120

Service: Medical Response
OurWinnipeg: Emergency Preparedness, Response and Recovery

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	107	-	-	-	-	-	-	107
Financed by:									
Shared Health Capital Grant**		107						-	107

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	107	-	-	-	-	-	-	107
Financed by:								
Shared Health Capital Grant**	107							107

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	1					
Net Cost/(Benefit)	(1)	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The Emergency Medical Service (EMS) utilizes SimMan (adult male) and SimBaby (child) mannequins to provide high fidelity patient simulations during the training and recertification programs for paramedics.

This project will acquire a SimMom (adult female) mannequin to provide high fidelity simulation for patients in active labour in a pre-hospital setting along with SimView equipment to control the simulation.

SimView provides the instructor with remote operation of the mannequin away from the student to make the environment as realistic as possible. SimView enables the instructor to initiate mannequin responses to patient care decisions during a scenario, thus maximizing the learning experience for the student.

** This project will not proceed until confirmation of funding is received from Shared Health (Province of Manitoba entity).

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Project Name: **Computer Automation**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development

Service: Property Asset Management

Project: 6361000420

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	106	100	-	-	100	-	200	306
Financed by:									
Cash to Capital		106	100			100		200	306

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	106	100	-	-	100	-	-	306
Financed by:								
Cash to Capital	106	100			100			306

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	106	100			100	-
Total Direct Costs	106	100	-	-	100	-
Less: Incremental Revenue/Recovery	3	3			3	
Net Cost/(Benefit)	103	97	-	-	97	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is an on-going office automation program. Its primary goals are to deliver cost-effective solutions that provide convenient customer service to our citizens and to improve organizational efficiencies. These goals can be achieved through expansion of online services, office/ workflow automation, re-engineering of legacy systems, electronic documents management, and systems integration (e.g. database synchronization) between Planning, Property and Development's applications and those of other departments.

It is anticipated that maintaining and improving a solid technological framework can provide the basis for organizational improvements that increase efficiency and reliability. In order to improve service delivery, the goal is to make information more accessible, streamline workflows, and reduce any duplication of efforts. It can also be argued that some initiatives such as electronic document submissions are not only citizen-friendly but environmentally responsible as well.

A general program of ongoing system improvement is suggested and is seen as reasonable to ensure the continued longevity and viability of the City's investment in office automation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Cemeteries - Improvements**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Cemeteries

Project: 6322100120
OurWinnipeg: Vitality

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,048	936	150	-	-	-	1,086	2,134
Financed by:									
Cash to Capital		248	236					236	484
Veterans Affairs Canada		800	700	150				850	1,650

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,048	936	150	-	-	-	-	2,134
Financed by:								
Cash to Capital	248	236						484
Veterans Affairs Canada	800	700	150					1,650

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	248	236				
Total Direct Costs	248	236	-	-	-	-
Less: Incremental Revenue/Recovery	18	16	2			
Net Cost/(Benefit)	230	220	(2)	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

City funding is for the purchase and installation of columbaria and mausoleum interment facilities at City cemeteries. Also, Brookside Cemetery requires the establishment of new full body interment sections, including the installation of new roadways and landscaping, as existing interment sections are at capacity with less than 18 months of product remaining for sale in main sections. The Military Field of Honour (FOH) requires a new cremation interment area, to include columbaria, wall plaques, gardens and pathways. St. Vital cremation gardens requires extending to accommodate new product sales. These revenue-generating products/services will contribute to the Cemetery Service's goal of reaching financial self-sustainability. In addition, these funds are used for landscaping, materials and other costs comprising the City's contribution toward the FOH refurbishment project, which is described below.

Funding received from Veterans Affairs Canada (VAC), under a joint City-Federal funding agreement, is specifically for the refurbishment of the Military Field of Honour at Brookside Cemetery. The FOH is considered Canada's most significantly designated Military Field of Honour in which more than 10,000 Veterans, Service Men and Service Women and War Heroes are interred. All interments are marked by the Military Grey Barrie granite upright monument, mounted in a beam. The FOH refurbishment project involves the replacement of failed concrete beam foundations as well as the cutting, pinning, and cleaning of military monuments. VAC have provided funding for the Field of Honour since 2007 and will continue until the refurbishment is complete; anticipated timeline for completion is reduced to 5 years as VAC now has a funded program in place. The City contributes approximately $1 for every $3 contributed by VAC. This 5-year program will see all refurbishment complete and no funding required after 2022.

On October 26, 2016, Council approved that should future VAC funding commitments exceed the amount included in a given year's Cemeteries Improvements capital budget ("the incremental amount"), that the budget be increased by the incremental amount, subject to the execution of a Letter of Agreement. As such, in those instances where VAC provides funding commitments to the City for the refurbishment of Brookside Cemetery Military Field of Honour in excess of the amount included in the capital budget, the appropriate year's Cemeteries Improvements Capital Budget will be increased by the incremental amount.

Anticipated changes to VAC funding are not included in the submission as the agreement is pending.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Downtown Enhancement Program**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: City Beautification
Project: 6351800122
OurWinnipeg: Creativity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	-	100	228	237	151	716	716
Financed by:									
Cash to Capital				100	228	237	151	716	716

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	100	228	237	151	-	716
Financed by:								
Cash to Capital			100	228	237	151		716

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			100	228	237	151
Total Direct Costs	-	-	100	228	237	151
Less: Incremental Revenue/Recovery			3	7	8	5
Net Cost/(Benefit)	-	-	97	221	229	146
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The program objective is the functional and aesthetic improvements and required upgrades to public spaces and streetscapes in the Downtown and Exchange District National Heritage Site. The funds enhance accessibility, safety, comfort and urban design quality of pedestrian environments and fulfill the commitment to the "Downtown First" philosophy. The Downtown Winnipeg Urban Design Guidelines provide the guiding principles to support design and enhance the livability of Winnipeg's Downtown urban environment.

The program supports and develops ongoing partnership opportunities for future Public / Private development and redevelopment partnerships and projects such as: Old Market Square, Broadway, Hydro Tower, Millennium Library Park, Bonnycastle Park and the Assiniboine River Walk. Projects have traditionally relied on and/or leveraged other partnership opportunities and have supported private redevelopments.

These public open space and streetscape improvements are over and above and exclusive of work assumed by the Public Works, Transit, and Water and Waste Departments who are responsible for existing infrastructure such as curbs, street and sidewalk repairs, street trees, planters, boulevards, required maintenance and accessibility standards.

Downtown Enhancement Program (continued):

Priorities in 2020 - 2025 include but are not limited to:

- Air Canada Park
- Old Market Square
- Downtown and Exchange District Pedestrian Facilities Enhancements
- East Exchange Interpretative Strategies
- Chinatown
- Public Art Integration
- Halo SHED (Sports, Hospitality and Entertainment District) developments including: 266 Graham Avenue, Garry Street, Smith Street, Edmonton Street and St. Mary Avenue
- Ross Avenue sidewalk improvements and streetscaping
- Alexander Docks
- Supporting Exchange and Downtown BIZ placemaking initiatives
- Streetscaping support for larger scoped Public Works initiatives
- Broadway pedestrian enhancements

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **BIZ Zones, Image Routes and Neighbourhood Main Streets**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: City Beautification
Project: 6351241520
OurWinnipeg: Creativity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	352	-	126	-	-	151	277	629
Financed by:									
Cash to Capital		352		126			151	277	629

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	352	-	126	-	-	151	-	629
Financed by:								
Cash to Capital	352		126			151		629

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	352		126			151
Total Direct Costs	352	-	126	-	-	151
Less: Incremental Revenue/Recovery	11		4			5
Net Cost/(Benefit)	341	-	122	-	-	146
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The City of Winnipeg reinvests in partnered projects in Business Improvement Zone (BIZ) districts and Neighbourhood Main Streets. These areas have their own distinct character with their own style of mixed-use, walkable business districts that serve as the cores of their neighbourhoods. With the completion of "OurWinnipeg" and the adoption of the document "Complete Communities", these funds provide the opportunity for the City to work with the resident and business owners in partnerships between the City, BIZ, private sector, not-for-profit, other funding agencies, and other government bodies. This capital fund gives the incentive for the BIZ groups to go out and match dollars from sources other than the City. This capital fund, through partnerships, assists in stimulating community revitalization.

This enhancement program takes the form of decorative medians, pedestrian lighting, banner poles, special entry nodes, special pavement treatments, character signage, plants, trees and site furnishings, to ensure the renewal and sustainment of the infrastructure that creates a sense of place and destination in and along Business Improvement Zones and on Image Routes.

2020 - 2025: Projects are adjusted based upon community readiness and partnership opportunities.

These organizations utilize grants received from the City to leverage additional funding to undertake projects. Some of the BIZ's considered for funding in 2020 include, but are not limited to; West End BIZ, Osborne Village BIZ, Norwood Grove BIZ, Transcona BIZ, West Broadway BIZ, Selkirk Ave BIZ, and North End BIZ. Specific allocations to BIZ groups will be subject to Council approval of a separate report in early 2020. Project funding will be delivered as a grant to each BIZ group through legally executed Grant Agreements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Public Art Strategy**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development

Service: Arts, Entertainment and Culture

Project: 6351400720

OurWinnipeg: Creativity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	200	-	-	-	-	-	-	200
Financed by:									
Cash to Capital		200						-	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	200	-	-	-	-	-	-	200
Financed by:								
Cash to Capital	200							200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	200					
Total Direct Costs	200	-	-	-	-	-
Less: Incremental Revenue/Recovery		-	-	-	-	-
Net Cost/(Benefit)	200	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

On September 24, 2003, Council approved in principle the Public Art Policy of the Mayor's Task Force on Public Art in Winnipeg and directed that the Chief Administrative Officer work in conjunction with Winnipeg Arts Council to develop the necessary procedures for implementing the direction of the policy, including but not limited to those areas relating to governance and funding. Council adopted a Public Art Policy on October 27, 2004.

The Winnipeg Arts Council, as the City of Winnipeg's implementation partner, submits for approval annually, a plan for the works to be undertaken.

This program is excluded from corporate administrative overhead charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Developer Payback**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Parks and Urban Forestry
Project: 6351000221
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	137	100	-	-	-	237	237
Financed by:									
Cash to Capital			137	100				237	237

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	137	100	-	-	-	-	237
Financed by:								
Cash to Capital		137	100					237

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		137	100			
Total Direct Costs	-	137	100	-	-	-
Less: Incremental Revenue/Recovery		4	3			
Net Cost/(Benefit)	-	133	97	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The City of Winnipeg is legally obligated through the approved Development Agreement Parameters to provide payback on older Developer Agreements based on the approved 48/52 split on the development of park costs. The funding formula is that the City of Winnipeg contributes 52% to the park development costs. Additionally, recognizing the need to do work concurrently beyond the basic requirements of the Development Agreement, these funds will cover provision of basic amenities that are more cost-effective and practical to install at the time of initial development (such as pathways, lighting, site furnishings, tree planting), particularly for linear park developments.

Applications from some of the outstanding (older) agreements are now being received due to the ongoing build out.

Calculations are based on industry consultation and the actual reviewed costs of works as they are completed each calendar year. Capital requirements are updated on an ongoing basis to reflect industry build out and Development Agreement amendments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Riverbank Stabilization - Physical Asset Protection**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Planning, Property and Development
Service: Land Drainage and Flood Control
Project: 6351300220
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,141	100	-	-	-	-	100	2,241
Financed by:									
Cash to Capital		500	100					100	600
Transfer from Prior Year Authorization		1,641						-	1,641

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,141	100	-	-	-	-	-	2,241
Financed by:								
Cash to Capital	500	100						600
Transfer from Prior Year Authorization	1,641							1,641

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	500	100				
Total Direct Costs	500	100	-	-	-	-
Less: Incremental Revenue/Recovery	70	3				
Net Cost/(Benefit)	430	97	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

In 2000, the Riverbank Stability Characterization Study evaluated stability conditions of 106 km of City owned riverbank property which comprises approximately 45% of all such river frontage within the City of Winnipeg. This initial assessment of City owned riverbanks has since been supplemented with a risk based asset management approach utilizing the proprietary Riverbank Asset Management System (RAMS), with a comprehensive update completed in 2015, with incremental updates since. To effectively provide erosion protection or stabilize all City owned riverbanks that generally exhibit positive benefit to cost ratio (considering the value of land lost over time to riverbank processes), a funding commitment of approximately $60 million would be required to fully address the 27 sites identified as "critical risk" and an additional $150 million to address the 89 sites categorized as "significant risk" (out of the 220 sites that have been assessed on the Red and Assiniboine Rivers).

To date, seven major priority sites have been stabilized via the Riverbank Stabilization and Physical Asset Protection Fund since 2003, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006), St. Vital Park (2008), Churchill Drive Park (2012), King's Park (2015) Guay Park (2016), and Tache between Provencher and Cathedral (2017) at a total cost of approximately $10 million.

The priority list provided below is not intended to be a program schedule and is subject to change with ongoing updates to RAMS, changes to the risk assessment, the results of investigations and monitoring programs, the addition of more sites to the database, or where cost savings can be achieved by collaborating with other City departments on specific projects. In particular, several of the following projects are interrelated with strategic Active Transportation projects.

Riverbank Stabilization - Physical Asset Protection (continued):

The project priority listing as of May 2019, including Class 5 cost estimates (Except Wellington Crescent), is as follows:

Site	Amount
Assiniboine River - Wellington Crescent right of way from Assiniboine Park to Academy Road (See note below)	2,500,000
Red River - Osborne St - Brandon Ave to Woodward Ave (to support AT path development)	2,100,000
Red River - River Rd to Rivergate Dr (to support AT path development)	2,900,000
Red River - Crescent Dr Park	1,600,000
Red River - St. Cross St - Mortimer Pl to Anderson Ave	2,400,000
Red River - Canoe Club (subject to cost/benefit related to land use)	6,400,000
Red River - Lyndale Drive Park and Lyndale Dr Lawndale Ave to Claremont Ave	3,400,000
Red River - D'arcy Dr	3,800,000
Red River - River Road at Minnetonka	1,100,000
Red River - Michelle Jean Park	2,000,000
Total	**28,200,000**

Wellington Crescent Right of Way from Assiniboine Park to Academy Road:

The Wellington Crescent project is currently in the functional design phase. The project is addressing the impacts and risk of riverbank instability to paths, gate chambers, outfalls, streets and greenspace along approximately 1km of the south bank of the Assiniboine River. The project is presently being managed by Planning, Property and Development (PPD) staff, and consultant assignments are funded from the 2016 Riverbank Stabilization capital program. As this project also addresses risk to Public Works Department (PWD) and Water and Waste Department (WWD) assets, it is proceeding with collaborative input and funding from all three departments. The following cost estimate is considered to be Class 4, and includes anticipated consulting fees and 25% contingency. The following cost estimate, based on the most favourable design strategy developed in the initial functional design exercise (completed spring 2019), includes riverbank stabilization, erosion protection as well as path and road realignment along various segments of the project site. Project construction will commence in 2020 or 2021 subject to the selected design option and the budget approval and funding availability.

Class 4 estimate:		**9,650,000**
PPD	Riverbank Stabilization-Physical Asset Protection (re-budget $0.264 million from 2016 and $1.377 million from 2017; utilize $0.359 million from existing, approved 2018 & 2019 budgets; 2020 budget request of $0.5 million)	2,500,000
WWD	$2.0 million from Outfall Rehabilitation program	2,000,000
PWD	Up to $3.0 million in 2020 and $2.1 million in 2021 funded under the Public Works - Regional and Local Street Renewal program	5,100,000
Other	Grant - Great Trail	50,000

Geotechnical investigations and monitoring programs are underway at the Wellington Crescent, Osborne Street, River to Rivergate, Lyndale Drive Park and River Road at Minnetonka sites.

Re-budgeted funds to be spent in 2020 are earmarked for the implementation of the inter-departmental “Wellington Crescent Riverbank Path and Roadway Works Project”. Funding in 2020 of $1.641 million includes rebudgeted amounts from 2016 and 2017 - see Appendix 4.

Project will not proceed until a class 3 estimate is obtained.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities)**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Recreation

Project: 6351XXXX20
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	-	-	-	-	-	-	1,000
Financed by:									
Cash to Capital		1,000						-	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,000	-	-	-	-	-	-	1,000
Financed by:								
Cash to Capital	1,000							1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	1,000					
Total Direct Costs	1,000	-	-	-	-	-
Less: Incremental Revenue/Recovery	33					
Net Cost/(Benefit)	967	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Prior capital forecast allocated $1 million in 2019 for public consultations and possible amenities, such as tennis courts or soccer facilities, at the Canoe Golf Course site due to the lease expiry in April 2019. The previous years' capital detail sheet also stated that, should the lease for the current 9-hole course be renewed, the funding may be returned to other area parks projects. The lease on the Canoe Club Golf Course has now been extended for three years due to ongoing debate about the changes to the course layout.

In order to better consider the future of the Canoe Club site in the context of a multi-year budget, the funding set aside for onsite improvements in 2019 had been deferred to 2020. Owing to the proposal in the 2020 multi-year budget to proceed with a review of all City golf courses and possible transformative use, the funding will no longer be allocated to amenities at the Canoe Club golf course site. $200,000 will be used to procure third party resources to assist in the development of the golf lands re-purposing plan contained in the operating budget recommendations (refer to recommendation 1.G). The remaining $800,000 will be used for other area park and recreational projects as follows:

- Norberry-Glenlee Community Centre universal play structure ($100,000)
- Glenwood Community Centre rink projects ($80,000)
- Greendell Park Community Centre rink boards ($80,000)
- Memorial Park site improvements ($80,000)
- Shirley Render Park pathways ($60,000)
- Ron Duhamel park tennis / pickleball project ($240,000)
- Highbury Park baseball project ($50,000)
- Greenwood Park play structure renewal ($80,000)
- Trail improvements McCubbins Cross Country and Kilcona Dog Park – Kilcona Park ($30,000)

Project Name: **Digital Permitting**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Planning, Property and Development
Service: Development Approvals, Building Permits and Inspections
Project: 6361000020
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,215	1,947	1,019	-	-	-	2,966	4,181
Financed by:									
Permit Reserve		1,215	1,947	1,019				2,966	4,181

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,215	1,947	931	88	-	-	-	4,181
Financed by:								
Permit Reserve	1,215	1,947	931	88				4,181

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs *		823	1,411	1,411	1,411	1,411
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	823	1,411	1,411	1,411	1,411
Less: Incremental Revenue/Recovery	38	884	1,440	1,414	1,411	1,411
Net Cost/(Benefit)	(38)	(61)	(29)	(3)	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The project is comprised of these major elements:

• Analysis phase in 2020 will determine the roadmap/plan to achieve the required business outcomes and produce the class 3 estimate required to proceed to solution procurement.

• Foundational business process re-engineering will be performed concurrent to procurement activities to prepare for automation of the permit processes.

• Solution implementation will require extensive business and technical resources over an 18-month period as the optimized business processes are deployed within the selected solution.

The project outcomes will support the move to the digitization of all online functions on the permitting and inspections process, providing improved efficiency by:

• actively managing workflows and workplace monitoring,

• enabling multiple departments, agencies, and jurisdictions to share data across a single database,

• supporting online permit and appointment requests, and

• providing enhanced customer reporting and enhanced document management, among many other benefits.

In the event the Permit Reserve is unable to generate sufficient funds to cover the project in any given year, the General Capital Fund will interim finance until repaid by the reserve.

The 2020 program may include a maximum of 6 temporary capital funded full-time equivalents.Temporary staffing costs of $0.93 million are included in the $4.181 million overall project budget.

* The costs are included in the operating budget net of revenues assuming full cost recovery. In 2021, costs and revenues will be adjusted to present gross amounts but still reflecting full cost recovery.

PLANNING PROPERTY AND DEVELOPMENT - MUNICIPAL ACCOMMODATIONS FUND

Project Name: **Transcona Centennial Pool**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Recreation

Project: 6392010120
OurWinnipeg: Recreation

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,700	100	-	-	-	-	-	-	100
Financed by:									
Transfer from Prior Year Authorization		100						-	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Transfer from Prior Year Authorization	100							100

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	3					
Net Cost/(Benefit)	(3)	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 1

On January 29, 2013, Council approved $5.8 million for the expansion of the Transcona Centennial Pool outdoor aquatic facility that included expanded splash pad and slides; beach entry to the pool; improved mechanical system upgrades; site works and landscaping; as well as improvements to the change rooms and other components of the current building (mechanical, electrical, windows, etc.).

Although the occupancy permit was issued in 2017, there remain several deficiencies to be addressed by the general contractor prior to issuance of the Certificate of Total Performance. The 2020 re-budgeted amount, originally budgeted in 2013, is to be utilized for final payments subject to all deficiencies being satisfactorily addressed and a Certificate of Total Performance being issued.

Funding in 2020 of $100,000 includes rebudgeted amounts from the 2013 budget - see Appendix 4.

PLANNING PROPERTY AND DEVELOPMENT - MUNICIPAL ACCOMMODATIONS FUND

Project Name: **Sherbrook Pool Reopening**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Recreation

Project: 6392040120
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,773	-	-	-	-	-	-	-	-
Financed by:									
Kinsmen Club of Winnipeg (Sponsor Winnipeg)		48	48	48				96	144
Interim Financing from General Capital Fund / (Repayment)		(48)	(48)	(48)				(96)	(144)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	-	-	-
Financed by:								
Kinsmen Club of Winnipeg (Sponsor Winnipeg)	48	48	48					144
Interim Financing from General Capital Fund / (Repayment)	(48)	(48)	(48)					(144)

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable

On December 17, 2013, Council approved $1.671 million in capital funding for the reopening of Sherbrook Pool. The funding consisted of $0.2 million from the Mayor's 2013 Civic Initiatives Fund, $0.4 million from the 2014 Parks and Recreation Enhancement Program, $0.6 million from the Daniel McIntyre Recreation Initiative, $0.271 million from Building Communities Initiative (BCI) II - Phase 3 (formerly "Recreation and Leisure Facilities" amended by the City and Province October 2, 2013) and $0.2 million from the Municipal Accommodations operating funds. On June 27, 2014, BCI Policy Committee approved an additional allocation of $0.15 million from BCI II - Phase 2.

On March 7, 2014, it was announced that the Kinsmen Club of Winnipeg will make a Sponsor Winnipeg contribution of $1 million towards the renovation of Sherbrook Pool. Subsequent to this announcement, the City learned that such contributions are now deemed subject to GST, reducing the net contribution from $1 million to $0.952 million. On May 16, 2014, the Province announced a contribution of $1 million in 2015 Manitoba-Winnipeg Infrastructure Agreement funding toward the rehabilitation project.

On September 24, 2014, Council approved that the Kinsmen Club, if required, be provided with the option to extend the time period for the payment of their sponsorship contribution to a 9-year period with the final payment to be received by the City in 2022. It was anticipated that $572,000 (60%) in payments would be received by the end of 2015 with payments of $95,000 (10%) each year from 2016 to 2019.

Sherbrook Pool Reopening (continued):

On January 27, 2016, Council approved a revised payment schedule for the Kinsmen Club as follows: the first payment of $500,000 (i.e. $476,000 net of GST) to be received by the City on or before March 31, 2016; the remaining payments of $100,000 (i.e. $95,000 net of GST) per year to be received on or before December 31 in each year beginning with the year 2016 and continuing until December 31, 2020 with all payments totaling $1 million including GST. The payments of $476,000 before March 31, 2016 and $96,000 in 2016 equals the Council approved 2015 budget of $572,000. Kinsmen Club, if required, was also permitted to extend the time period of the payment of its sponsorship contribution to a 9-year period with the final payment to be received by the City no later than 2024. The Kinseman Club exercised this option in 2019 and remitted $48,000 ($50,000 net of GST) and will remit the remaining $144,000 in $48,000 installments from 2020 to 2022.

Project Name: **Strategic Facilities Master Plan**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management

Project: 6331003120
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	450	250	-	-	-	-	250	700
Financed by:									
Land Operating Reserve		450	250					250	700

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	450	250	-	-	-	-	-	700
Financed by:								
Land Operating Reserve	450	250						700

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	15	8				
Net Cost/(Benefit)	(15)	(8)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

By combining staff input and the results of industry expert findings, this plan will focus on facility status reporting, prioritization, funding and accountability. This will include the following:

1) addressing capacity, to minimize service delivery gaps and anticipate growth, 2) meeting changing health and safety regulations, 3) establishing an asset prioritization framework, 4) compiling a detailed building asset inventory, 5) meeting environmental and climate commitments, 6) preparing a risk plan for facilities and, 7) achieving financial sustainability with facilities that are affordable to build, operate, maintain, renew and dispose (life cycle approach); always in alignment with and support City mandates.

The Strategic Facilities Master Plan goal is to ensure that in 20 years, the City of Winnipeg's current delivered services are continuing to be delivered and where possible, improved in a manner that is financially affordable, environmentally sound and delivers best value for residents to 2040 and beyond.

Project Name: **Carlton Walkways**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management

Project: 6331003420
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,344	-	-	-	-	-	-	2,344
Financed by:									
External Debt		2,344							2,344

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,344	-	-	-	-	-	-	2,344
Financed by:								
External Debt	2,344							2,344

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	101	164	164	164	164	164
Transfer to General Capital Fund						
Total Direct Costs	101	164	164	164	164	164
Less: Incremental Revenue/Recovery	76					
Net Cost/(Benefit)	25	164	164	164	164	164
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The two existing weather protected walkways over Carlton Street were constructed in 1974 in support of the development of the Winnipeg Convention Centre. The existing concrete cladding panels are in poor condition and exhibit varying degrees of cracking, delamination and spalling. The existing windows are original to the structure and have exceeded their intended service life. Emergency cladding stabilization was completed in 2016 in order to delay the need for full replacement of the cladding for 3 years. Replacement of the cladding on the two weather protected walkways is now required to maintain the existing level of service. Further inspections were initiated in 2019 to determine the extent of required interim repairs prior to the scheduled cladding replacement in 2020.

It is recommended that the cladding replacement on both of the weather protected walkways in question be completed at the same time. Both existing walkways are of similar age and construction. Completing construction on both the walkways at the same time will reduce costs and disruption to users of the walkways and the street below.

Construction will not commence until a class 3 estimate is obtained.

Project Name: **Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility**

Standing Policy Committee: Property and Development, Heritage, and Downtown Development

Department: Municipal Accommodations
Service: Property Asset Management
Project: 6331009020
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,813	3,273	931	1,333	2,660	943	9,140	10,953
Financed by:									
Cash to Capital		113	1,122	831	687		943	3,583	3,696
Land Operating Reserve		1,700	1,700			1,700		3,400	5,100
Federal Gas Tax				100	646	960		1,706	1,706
External Debt			451					451	451

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,813	3,273	931	1,333	2,660	943	-	10,953
Financed by:								
Cash to Capital	113	1,122	831	687		943		3,696
Land Operating Reserve	1,700	1,700			1,700			5,100
Federal Gas Tax			100	646	960			1,706
External Debt		451						451

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	113	1,122	831	687		943
Total Direct Costs	113	1,122	831	687	-	943
Less: Incremental Revenue/Recovery	59	106	28	30	67	31
Net Cost/(Benefit)	54	1,016	803	657	(67)	912
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Capital program to fund investments ensuring health/life safety requirements and the highest-and-best use investments associated with preserving continued facility operations that arise annually. Specifically, this program encompasses planned or emergency refurbishment, replacement, repair and maintenance upgrade projects for fire and life safety (e.g., emergency lighting), heating, ventilation, air conditioning, electrical, plumbing, building envelope, structural requirements, emergency power generation, and uninterrupted power systems. Funding is also allocated for critical systems including building automation and climate control, security, access control, and closed-circuit television systems. This program also ensures adherence to regulatory compliance upgrades, asbestos and other hazardous material remediation, and asset condition assessments. Finally, this program addresses physical accessibility issues such as lighting, signage, and public entranceways.

Projects include the following at various locations:

• Fire alarm system, fire separations, exit signs and associated repairs and upgrades

• Asbestos and hazardous materials remediation

• Elevator repairs and upgrades

Health/Life Safety/Emergency Systems Refurbishment/City-Wide Accessibility (continued):

• Structural evaluations and repairs

• Roof repairs and replacements

• Building System (heating, ventilation, and air conditioning, building envelop, electrical, plumbing, structural, etc.) repairs and replacements

• Uninterrupted power systems and emergency power generation systems repairs and upgrades

• Diesel exhaust fume mitigation

• Building automation, access control, intrusion, closed-circuit television, intercom systems repairs and upgrades

• Parking lots and underground services repairs and upgrades

• Rink floors, pool tank and deck repair, etc. repairs and upgrades

• Lighting conversions and retro-commissioning

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Corporate Records Centre**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400000922

Service: Heritage Conservation
OurWinnipeg: Heritage

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	875	-	-	100	-	-	-	100	100
Financed by:									
Cash to Capital				100				100	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	100	-	-	-	-	100
Financed by:								
Cash to Capital			100					100

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund			100			
Total Direct Costs	-	-	100	-	-	-
Less: Incremental Revenue/Recovery			3			
Net Cost/(Benefit)	-	-	97	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The City Clerk's Department, Archives and Records Control Branch, supports records and information management City-wide, manages access and privacy responsibilities for the City, and operates the City of Winnipeg Archives and the Corporate Records Centre. During 2018 and 2019, the branch prepared for and coordinated the move of the Corporate Records Centre out of 311 Ross into newly outfitted space at 1450 Mountain. This move enabled the branch to increase storage capacity for records scheduled under the records management by-law, utilize specialized shelving solutions to better accommodate variable sized box transfers from departments, and realize operational efficiencies. Archival storage and public access/research services continue to be delivered out of a leased facility at 50 Myrtle.

This project will ensure that the Corporate Records Centre continues to meet demand for storage of records scheduled under Records Management By-law 86/2010 (“by-law”). Costs will include installation of additional specialized shelving solutions and the purchase of equipment to manage inventory to ensure that City records are protected as required by by-law and can be accessed and retrieved in an effective manner.

Costs will be well known given 2018/2019 request for proposals developed to implement storage solutions.

Ongoing development of the Corporate Records Centre is essential to sound records management. Cost-effective storage and inventory management services enable departments to better manage records in accordance with the by-law and the administrative standard, resulting in an increase in routine transfers of records out of expensive operational space to the Corporate Records Centre. A further capital project will be established at the 5-year mark from this project. Development of the Corporate Records Centre supports the City's commitment to increased transparency and better response times to requests through access legislation.

Project Name: **Election Systems**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400000521

Service: Council Services
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	100	110	-	-	100	310	310
Financed by:									
Cash to Capital			100	110			100	310	310

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	100	110	-	-	100	-	310
Financed by:								
Cash to Capital		100	110			100		310

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		100	110			100
Total Direct Costs	-	100	110	-	-	100
Less: Incremental Revenue/Recovery		3	4			3
Net Cost/(Benefit)	-	97	106	-	-	97
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

In accordance with the department's statutory responsibility to compile a List of Electors and convene elections, every four years the department ensures the renewal of equipment and systems used in election processes.

As some of the systems are only used every 4 years, they require either extensive renovations or complete rewrites to allow them to function with changed systems, networks, and databases. In the past, this has involved corporate mainframes and a large number of staff hours. For the 2018 election, the City Clerk's Department ensured systems were operational using in-house resources and contract personnel, and by purchasing ready made systems from election partners, such as our voting machine partner, Election Systems and Software and our voters list partners, Elections Canada and Elections Manitoba.

Systems which need to be upgraded / revitalized for the 2022 election include the List of Electors system, Geographic Information System mapping, election night reporting systems and web sites, especially those utilizing the Internet for increased security and more effective communication with candidates, media, and the public.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Audio / Video Equipment Replacement**

Standing Policy Committee: Executive Policy Committee

Department: City Clerks
Project: 0400001823
Service: Council Services
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	100	-	-	100	100
Financed by:									
Cash to Capital					100			100	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	100	-	-	-	100
Financed by:								
Cash to Capital				100				100

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund				100		
Total Direct Costs	-	-	-	100	-	-
Less: Incremental Revenue/Recovery				3		
Net Cost/(Benefit)	-	-	-	97	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The City Clerk's Department undertakes over 200 protocol events annually including openings, announcements, and flag raisings, where audio and other pool sound, and other technology is required. The department also supports live streaming, live television broadcast, recording of and providing various audio / video capabilities in six separate meeting areas, including the Council Chamber. These facilities are used for 300+ meetings of Council and its committees, and up to 5,000 appeal hearings each year. Equipment used for protocol events including speakers, amplifiers, pool sound, etc. is often used outdoors and is required to be moved from event to event. As such, the equipment does require regular maintenance and replacement to ensure 100% operational ability and reliability.

Equipment used in committee rooms is less subject to physical stresses, but is used virtually every day. Much of the equipment was refreshed in 2017 and is expected to have a 5-year life span. Equipment includes automated cameras, microphones, speakers, amplifiers, digital recorders, live streaming boxes, closed captioning converters, digital storage, and television broadcast stations. The committee rooms' equipment is accessed by the public, media, outside television stations, etc. which causes it to be subject to obsolescence, and must be upgraded to ensure the various feeds can be accessed by newer technology and can access evolving City networks.

INNOVATION TRANSFORMATION AND TECHNOLOGY - GENERAL CAPITAL FUND

Project Name: **Innovation Strategy**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3459000120

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,618	1,360	750	500	250	-	-	1,500	2,860
Financed by:									
Cash to Capital		500							500
Internal Financing		500	750	500	250			1,500	2,000
Transfer from Prior Year Authorization		360							360

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,360	750	500	250	-	-	-	2,860
Financed by:								
Cash to Capital	500							500
Internal Financing	500	750	500	250				2,000
Transfer from Prior Year Authorization	360							360

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	29	103	177	222	237	237
Transfer to General Capital Fund	500					
Total Direct Costs	529	103	177	222	237	237
Less: Incremental Revenue/Recovery	44	24	16	8		
Net Cost/(Benefit)	485	79	161	214	237	237
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Innovation Strategy Program (ISP) will enable the City to create innovative ideas, utilize innovative technologies, and approaches to improve existing systems, tools, and processes to primarily reduce costs or increase revenue, improve service levels, and add new capabilities. This will enable the Chief Innovation Officer to fulfill the mandate of driving innovation for the City of Winnipeg to make us smarter, more efficient, and more effective in meeting the needs of a growing City.

Winnipeg currently operates below optimum service levels in many areas. Adequate resource levels are often cited for the gap between what should be delivered and what is delivered for both external, citizen centric services as well as internal, administrative services. Prior to 2019, consideration of innovation to explore alternative technologies, ideas, processes and build new capabilities to bridge the gap has been limited. Winnipeg is filling its resourcing gap with innovation capability and outcomes that focus on offering a return on investment.

Projects within the ISP will be selected and delivered to build and reinforce a culture of innovation and provide the City with tangible outcomes. Transforming how services are delivered, or changing the service levels that a service can provide will be the focus. These projects will be delivered with a balanced approach that blends Innovation Engineering methods with the City's project management principles. Projects undertaken as part of the ISP will produce expected benefit of operational efficiency gains, cost avoidance, citizen impact, revenue increase and cost decreases.

Innovation Strategy (continued):

The portfolio of innovation investments may include, but not be limited to:

• Innovation Technology Pilots will encompass pilot and trial projects that focus on the applications of novel technologies or novel applications of commodity technologies to business problems with an emphasis on identifying small projects that answer questions and test hypotheses to better inform future incrementally larger trials.

• Innovation Business Process Enhancement will look at the application of business modelling techniques to existing business processes that are currently a significant bottleneck or hindrance. This will focus less on technology and more on addressing the human and organizational business process elements and how those can be optimized for cost savings through appropriate analysis and application of Innovation Engineering methodology.

• Innovation Prototyping represents a collection of small projects aimed at testing concepts in a fail-fast-fail-cheap mindset. If efficiency gains are proven they will often be the precursor to projects started in the other areas. These small initiatives will aim to gather information about the viability of an idea, technology, or approach in order to ensure that follow-up project decisions are made with demonstrated value.

Included in 2020 is $360,000 rebudgeted from the adopted 2016-2018 Innovation Capital Fund (City Clerks) - see Appendix 4.

The 2020 program may include a maximum of 7 temporary capital funded full-time equivalents.

The program budget is available for the Chief Innovation Officer to make allocations to projects as deemed necessary.

Project Name: **Smart Cities Innovation Program**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3459100120

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,000	1,000	750	500	250	-	-	1,500	2,500
Financed by:									
Cash to Capital		500						-	500
Internal Financing		500	750	500	250			1,500	2,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,000	750	500	250	-	-	-	2,500
Financed by:								
Cash to Capital	500							500
Internal Financing	500	750	500	250				2,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	29	103	177	222	237	237
Transfer to General Capital Fund	500					
Total Direct Costs	529	103	177	222	237	237
Less: Incremental Revenue/Recovery	33	24	16	8	-	
Net Cost/(Benefit)	496	79	161	214	237	237
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

City departmental services depend on foundational systems (e.g. people, process, technology) that are critical to the successful delivery of those services. These foundational systems and capabilities will be the focus of the Smart Cities Innovation Program, improving shared, or foundational, areas to raise the level of effectiveness across the organization.

The Smart Cities Innovation Program will enable the City of Winnipeg to investigate and pilot LEAP innovations (LEAP innovations is a term for high impact, high risk innovations that have the potential to transform how a business delivers services, or the services a business delivers) in systems that are currently good enough for the present expectations, and yet are foundational to, and unable to support, service delivery long-term. The Smart Cities Innovation Program will deliver projects which in turn will lay the groundwork for building business cases to improve systems and processes. The Smart Cities Innovation Program will be fundamental to creating strategic outcomes.

The Smart Cities Innovation Program projects will be delivered in a manner consistent with the Innovation Strategy Program, ensuring that high-risk, high-uncertainty, projects are delivered appropriately, and in a way that limits risk exposure with prioritization based on potential impact and ability to support strategic outcomes and goals, as outlined in strategic and visionary plans (e.g. OurWinnipeg). The Smart Cities Innovation Program will enable businesses and departments to identify and begin to address barriers to delivery of strategic objectives proactively as opposed to reactively.

Smart Cities Innovation Program projects will align with strategic and architectural frameworks and roadmaps, and in some cases shape future strategy and architecture for the City of Winnipeg and with consideration for awareness and collaboration with other municipalities to create and share benefits.

Smart Cities Innovation Program (continued):

The projects may include, but not be limited to:

• Transportation Management Centre Expansion - expand capabilities to support additional service improvements (e.g. automated analysis of video footage for snow clearing, road condition, active transportation usage patterns; emergency vehicle traffic signal pre-emption).

• Economic Development Data Analysis - identify the data that can support the best possible economic development decision making through City planning and establish the processes and technology to allow for evidence based decision making.

• Technical Architecture - implementation of city-wide standardized technical architectures that allows business services to be delivered and sustained at lower cost and reduced business risk.

• Citizen Experience - establish the processes, data, and technology required to allow citizens to have access to their complete relationship with the City when they contact 311 or through online service options.

The 2020 program may include a maximum of 4 temporary capital funded full-time equivalents.

The program budget is available for the Chief Innovation Officer to allocate funding to projects based on financing requirements.

Project Name: **Enterprise Computing Initiatives**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3402500020

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,962	2,091	1,172	1,103	574	1,956	6,896	8,858
Financed by:									
Cash to Capital			1,190	1,172	1,103	574	1,181	5,220	5,220
External Debt		1,962	901					901	2,863
Transfer from Prior Year Authorization							775	775	775

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,962	2,091	1,172	1,103	574	1,956	-	8,858
Financed by:								
Cash to Capital		1,190	1,172	1,103	574	1,181		5,220
External Debt	1,962	901						2,863
Transfer from Prior Year Authorization						775		775

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	99	171	175	185	193	203
Debt and finance charges	217	542	647	647	647	392
Transfer to General Capital Fund		1,190	1,172	1,103	574	1,181
Total Direct Costs	316	1,903	1,994	1,935	1,414	1,776
Less: Incremental Revenue/Recovery	64	68	38	36	19	64
Net Cost/(Benefit)	252	1,835	1,956	1,899	1,395	1,712
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The City utilizes enterprise servers and storage and systems software infrastructure to address the computing requirements of a wide variety of critical business functions (311, PeopleSoft, Property Assessment, Taxation, Permitting, Parking Enforcement, Public Facing Internet, etc.). This infrastructure has a finite lifespan and needs to be replaced (evergreened) on a periodic basis to ensure its continued operation and support of the business functions. There are also requirements to expand the capacity of this infrastructure to support the growing requirements of the organization.

Included in 2025 is $775,000 rebudgeted from the previously approved capital programs - see Appendix 4.

The initiatives in the 2020 program may include a maximum of 4 temporary capital funded full-time equivalents.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Communications Network Infrastructure**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3401200020

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	385	395	1,184	923	476	447	3,425	3,810
Financed by:									
Cash to Capital				186	243	476		905	905
External Debt		385	301					301	686
Transfer from Prior Year Authorization			94	998	680		447	2,219	2,219

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	385	395	1,184	923	476	447	-	3,810
Financed by:								
Cash to Capital			186	243	476			905
External Debt	385	301						686
Transfer from Prior Year Authorization		94	998	680		447		2,219

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	11	16	32	55	61	68
Debt and finance charges	42	120	155	155	155	105
Transfer to General Capital Fund			186	243	476	
Total Direct Costs	53	136	373	453	692	173
Less: Incremental Revenue/Recovery	13	13	38	30	15	15
Net Cost/(Benefit)	40	123	335	423	677	158
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Communications Network Infrastructure is the implementation and enhancement of the backbone network infrastructure which connects the computers in civic departments. This is a high speed infrastructure to enable the sharing and distribution of corporate information across departments with more management, control, flexibility, and ease of use at the department level.

Included are rebudgeted amounts totaling $2.219 million from adopted 2015-2019 capital programs - see Appendix 4.

The initiatives in this program may include a maximum of 1 temporary, capital funded full-time equivalent.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Printing Graphics & Mail Services Asset Renewal**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458400021

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	152	-	350	-	-	-	-	350	350
Financed by:									
Transfer from Prior Year Authorization			350					350	350

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	350	-	-	-	-	-	350
Financed by:								
Transfer from Prior Year Authorization		350						350

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		11				
Net Cost/(Benefit)	-	(11)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Evergreen the essential printing graphics and mail services assets to ensure continued reliable production of critical revenue generating print and mail streams and to reduce the risks associated with unacceptable quality, delayed deliveries, and limited production capabilities.

Included in 2021 is $350,000 rebudgeted from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Information Security Initiatives**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	628	136	194	140	144	199	776	1,453	1,589
Financed by:									
External Debt		136							136
Transfer from Prior Year Authorization			194	140	144	199	776	1,453	1,453

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	136	194	140	144	199	776	-	1,589
Financed by:								
External Debt	136							136
Transfer from Prior Year Authorization		194	140	144	199	776		1,453

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	2	5	33	64	97	132
Debt and finance charges	15	31	31	31	31	13
Transfer to General Capital Fund						
Total Direct Costs	17	36	64	95	128	145
Less: Incremental Revenue/Recovery	4	6	5	5	6	25
Net Cost/(Benefit)	13	30	59	90	122	120
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Information Security initiatives will provide the minimum acceptable level of protection against the rapidly increasing number of threats to City business systems. The program will implement the processes, tools, and people elements required to manage the risk. Without the program, the City will be facing levels of security risk that could cause widespread business impact and prevent the City from meeting legislated responsibilities for the confidentiality, integrity, and availability of critical data.

Included are rebudgeted amounts totaling $1.453 million from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Microsoft Office License Evergreen**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,597	711	-	633	-	802	-	1,435	2,146
Financed by:									
Cash to Capital						243		243	243
External Debt		711							711
Transfer from Prior Year Authorization				633		559		1,192	1,192

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	711	-	633	-	802	-	-	2,146
Financed by:								
Cash to Capital					243			243
External Debt	711							711
Transfer from Prior Year Authorization			633		559			1,192

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	79	160	160	160	160	67
Transfer to General Capital Fund					243	
Total Direct Costs	79	160	160	160	403	67
Less: Incremental Revenue/Recovery	23		21		26	
Net Cost/(Benefit)	56	160	139	160	377	67
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Upgrade Microsoft Office Productivity Software to a supported version so critical security updates are received from Microsoft. Without security updates, the software cannot be used due to the organizational risk of security attacks to the rest of the City computing environment. Continued upgrading of Microsoft Office Productivity Software in 2020 to avoid loss of use of Microsoft Office and widespread business impact.

Included are rebudgeted amounts totaling $1.192 million from adopted 2015-2019 capital programs - see Appendix 4.

This program may include a maximum of 1 temporary capital funded full-time equivalent.

Project Name: **Enterprise Content Management**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000020

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,386	1,100	-	-	-	-	-	-	1,100
Financed by:									
Cash to Capital		660						-	660
Internal Financing		440						-	440

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,100	-	-	-	-	-	-	1,100
Financed by:								
Cash to Capital	660							660
Internal Financing	440							440

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs		37	37	37	37	37
Debt and finance charges	26	52	52	52	52	52
Transfer to General Capital Fund	660					
Total Direct Costs	686	89	89	89	89	89
Less: Incremental Revenue/Recovery	36					
Net Cost/(Benefit)	650	89	89	89	89	89
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Enterprise-wide deployment of an Enterprise Content Management system solution to provide the platform for innovation in business document workflow, organization and storage.

This project may include a maximum of 4 temporary capital funded full-time equivalents.

Project Name: **Microsoft Development Network Software Renewal**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458200022

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	404	-	-	231	-	-	253	484	484
Financed by:									
Transfer from Prior Year Authorization				231			253	484	484

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	231	-	-	253	-	484
Financed by:								
Transfer from Prior Year Authorization			231			253		484

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery			8			8
Net Cost/(Benefit)	-	-	(8)	-	-	(8)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Microsoft Developer Network (MSDN) software is a required component to provide support for business applications used across the City. Without renewal of the MSDN software, the business application will not be supported and the business services that depend on the applications (e.g. Finance, Human Reource Services, 311. etc.) will be impacted.

Included are rebudgeted amounts totaling $484,000 from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Geographic Information System Aerial Imagery Renewal Program**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 3458100021

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	315	-	161	-	-	-	187	348	348
Financed by:									
Transfer from Prior Year Authorization			161				187	348	348

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	161	-	-	-	187	-	348
Financed by:								
Transfer from Prior Year Authorization		161				187		348

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		5				6
Net Cost/(Benefit)	-	(5)	-	-	-	(6)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Departmental business processes within the City depend on new ortho and oblique imagery delivered every four years; 2021 and 2025. The imagery data is the shared common background to promote data sharing and support business processes.

Included are rebudgeted amounts totaling $348,000 from adopted 2015-2019 capital programs - see Appendix 4.

Project Name: **Corporate VoIP Phone System**

Standing Policy Committee: Innovation and Economic Development

Department: Innovation, Transformation & Technology

Service: Innovation, Transformation and Technology

Project: 34XX000021

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	160	-	-	-	-	160	160
Financed by:									
Transfer from Prior Year Authorization			160					160	160

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	160	-	-	-	-	-	160
Financed by:								
Transfer from Prior Year Authorization		160						160

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery		5				
Net Cost/(Benefit)	-	(5)	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The existing contract for VoIP phone service expires in 2020. This project will conduct a request for proposal and award of contract for VoIP telephone service.

Included in 2021 is $160,000 rebudgeted from adopted 2015-2019 capital programs - see Appendix 4.

This project may include a maximum of 1 temporary capital funded full-time equivalent.

Project Name: **Intake Program**

Standing Policy Committee:	Innovation and Economic Development		
Department:	Innovation, Transformation & Technology	Service:	Innovation, Transformation and Technology
Project:	34XX000020	OurWinnipeg:	Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	534	122	100	100	100	100	-	400	522
Financed by:									
External Debt		111						-	111
Transfer from Prior Year Authorization		11	100	100	100	100		400	411

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	122	100	100	100	100	-	-	522
Financed by:								
External Debt	111							111
Transfer from Prior Year Authorization	11	100	100	100	100			411

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs					65	130
Debt and finance charges	12	25	25	25	25	11
Transfer to General Capital Fund						
Total Direct Costs	12	25	25	25	90	141
Less: Incremental Revenue/Recovery	4	3	3	3	3	
Net Cost/(Benefit)	8	22	22	22	87	141
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Organizational support services depend on modern industry technologies for the delivery of their City-wide supports. As business needs continue to grow and change, so does the need for enhancement to existing systems, or entirely new systems to support these changes.

The Intake Program will provide a way for initiatives, which have been estimated to cost under $100,000, to secure capital funding. This ability will improve the digital dexterity of the organization and better position the City of Winnipeg for a sustainable future. Projects within the program will be prioritized based on highest positive citizen impact, business value, return on investment projection, and cross organizational use.

Approximately 40 applications per year are received for project funding from the Intake Program. Examples of projects being funded from this program:

• Asset Management Application Alignment - Currently there are more than 15 applications used to track IT assets across the city, as well as myriad Excel databases. This leads to duplicate support costs and inefficiencies. Proposed project will likely be able to eliminate at least one-quarter of the applications, resulting in operational savings.

• Public Email Notification - current email list management solution (ELMS) license allows a limited number of subscribers and is labour-intensive to manage. Contract with the existing vendor is expiring and a new solution is required that can handle the anticipated increase in volume of subscribers that will come with implementation of the Citizen Portal project, when the tax assessments and notifications will be distributed online. A new solution will also enable immediate posting of news releases on-line, keeping citizens and media better informed.

• Electronic Bid Evaluation - Materials Management uses a time-consuming and highly manual process to evaluate bids currently, using Outlook for document distribution and Excel to evaluate bids and consolidate evaluations. Implementing electronic bid evaluations in MERX (Government of Canada/ Province of Manitoba bid posting solution) will yield a significant return on value given the significant amount of staff time expended on evaluating and consolidating bid results.

Included are rebudgeted amounts totaling $411,000 from adopted 2015-2019 capital programs - see Appendix 4. The initiatives in this program may include a maximum of 2 temporary capital funded full-time equivalents.

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CUSTOMER SERVICE AND COMMUNICATIONS - GENERAL CAPITAL FUND

Project Name: **311 Renewal**

Standing Policy Committee: Executive Policy Committee

Department: Customer Service and Communications

Service: Contact Centre - 311

Project: 3700000120

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,596	122	100	-	100	-	-	200	322
Financed by:									
Cash to Capital		122	100		100			200	322

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	122	100	-	100	-	-	-	322
Financed by:								
Cash to Capital	122	100		100				322

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	122	100		100		
Total Direct Costs	122	100	-	100	-	-
Less: Incremental Revenue/Recovery	4	3		3		
Net Cost/(Benefit)	118	97	-	97	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The City is committed to renewing its Call Center application investments on an ongoing basis to take advantage of new functionality and remain current with suppliers' support.

Project Name: **Assessment Automation**

Standing Policy Committee: Executive Policy Committee

Department: Assessment and Taxation

Service: Assessment, Taxation and Corporate

Project: 1400000121

OurWinnipeg: Sustainability

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	237	312	-	250	312	1,111	1,111
Financed by:									
Cash to Capital			237	312		250	312	1,111	1,111

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	237	312	-	250	312	-	1,111
Financed by:								
Cash to Capital		237	312		250	312		1,111

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		237	312		250	312
Total Direct Costs	-	237	312	-	250	312
Less: Incremental Revenue/Recovery		8	10		8	10
Net Cost/(Benefit)	-	229	302	-	242	302
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The funding is for system upgrades and rehabilitation to key assessment and taxation systems that interface with the two main Computer Aided Mass Appraisal and Manta systems. There are approximately 40 subsystems that interface directly to these systems and funding is required to ensure that they continue to work effectively and efficiently with upgraded platforms and operating systems.

The initiatives in this program may include a maximum of 3 temporary capital funded full-time equivalent positions in 2021 and future years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Local Improvements - Ongoing Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Assessment and Taxation

Service: Roadway Construction and Maintenance

Project: 1420000120

OurWinnipeg: Vitality

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	630	350	100	480	147	100	1,177	1,807
Financed by:									
Cash to Capital				100			100	200	200
External Debt		630	350		480	147		977	1,607

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	630	350	100	480	147	100	-	1,807
Financed by:								
Cash to Capital			100			100		200
External Debt	630	350		480	147			1,607

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	22	48	56	76	97	100
Transfer to General Capital Fund			100			100
Total Direct Costs	22	48	156	76	97	200
Less: Incremental Revenue/Recovery	20	11	3	16	5	3
Net Cost/(Benefit)	2	37	153	60	92	197
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Local Improvement capital projects are those which are financed partly by a direct levy on the properties benefited. The program is governed by Local Improvements By-Law No. 98/72 and is subject to advertising and subsequent approval by the majority of ratepayers involved. The types of expenditure generally falling within this category are: paving of local streets and lanes; sidewalk and boulevard construction; installation of new watermains and sewers; ornamental street lighting and lane lighting.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Transit Information Technology Program (formerly Innovative Transit Program)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230030121
Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	500	325	500	325	325	1,975	1,975
Financed by:									
Cash to Capital			500	325	500	325	325	1,975	1,975

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	500	325	500	325	325	-	1,975
Financed by:								
Cash to Capital		500	325	500	325	325		1,975

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		500	325	500	325	325
Total Direct Costs	-	500	325	500	325	325
Less: Incremental Revenue/Recovery		1	1	1	1	1
Net Cost/(Benefit)	-	499	324	499	324	324
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Transit Information Technology Program mainly provides technology upgrades to systems that support interaction between Transit operations and the public, as well as improvements to transit terminals and shelters, including rapid transit stations, and allows for improved technology throughout the department.

Transit also uses this program to implement innovative practices throughout the department to improve efficiency. Equipment related to achieving this innovation may be funded through this program.

Includes 2 Analyst Programmer full-time equivalent (FTE) positions for ongoing technology upgrades and 3 FTEs related to the redevelopment of Transit's Maintenance Management Information System (MMIS) including 1 Project Coordinator, 1 Information Specialist, and 1 Analyst Programmer.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Building Replacement / Refurbishment**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010120

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	336	600	600	828	881	600	3,509	3,845
Financed by:									
Cash to Capital		336	600	600	828	881	600	3,509	3,845

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	336	600	600	828	881	600	-	3,845
Financed by:								
Cash to Capital	336	600	600	828	881	600		3,845

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	336	600	600	828	881	600
Total Direct Costs	336	600	600	828	881	600
Less: Incremental Revenue/Recovery	3	11	11	18	20	11
Net Cost/(Benefit)	333	589	589	810	861	589
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Building Replacement/Refurbishment program budget.

Transit's operations are housed at three primary facilities - the Fort Rouge complex, North Main garage and Brandon garage. The Fort Rouge and North Main facilities are approximately 40 and 80 years old, respectively, and are operating at capacity. The department funds the maintenance of its facilities through the operating budget; however, many of the structural, mechanical and electrical systems in the existing facilities are past their design and economic lives and capital funding is required to bring the facilities up to acceptable standards.

This multi-year capital program addresses the need for smaller scale projects within Transit's existing facilities and stations. These projects are mainly required due to the age and condition of the assets.

Includes 2 temporary capital funded full-time equivalent Facility Coordinator positions.

Project (in $000s)	2020	2021	2022	2023	2024	2025	Total
General Amounts (ex. concrete works, tunnel, floor repair / replacement)	336	600	600	828	881	600	3,845
	336	**600**	**600**	**828**	**881**	**600**	**3,845**

Estimated useful life - dependent on the specific project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade)**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010220
Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,500	1,947	1,500	1,500	1,800	-	6,747	8,247
Financed by:									
Cash to Capital			1,947	1,500	1,500			4,947	4,947
External Debt		1,500				1,800		1,800	3,300

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,500	1,947	1,500	1,500	1,800	-	-	8,247
Financed by:								
Cash to Capital		1,947	1,500	1,500				4,947
External Debt	1,500				1,800			3,300

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	53	85	85	85	162	213
Transfer to General Capital Fund		1,947	1,500	1,500		
Total Direct Costs	53	2,032	1,585	1,585	162	213
Less: Incremental Revenue/Recovery	47	61	47	47	57	
Net Cost/(Benefit)	6	1,971	1,538	1,538	105	213
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Roof Replacement and Ventilation Upgrade project budget.

Transit's Fort Rouge Garage (FRG) at 421 Osborne Street includes two major buildings that total approximately 480,000 square feet in area. The buildings were constructed in 1969 and 1978 and house over 70% of Transit's bus inventory. The roofs are now at the end of their economic and useful lives and need to be replaced.

The FRG storage and maintenance facilities require replacement of the existing ventilation systems, which includes makeup air units and exhaust fans, in response to a regulatory change in allowable levels of airborne nitrogen dioxide (NO2) in diesel exhaust, age and inefficiency of equipment, and pressure imbalances throughout the buildings.

The breakdown between roof and ventilation work is subject to change, but estimated as:

Project (in $000s)	2020	2021	2022	2023	2024	2025	Total
Fort Rouge Garage Roof Replacement **	900						900
Upgrade Garage Ventilation Systems **	600	1,947	1,500	1,500	1,800		7,347
	1,500	**1,947**	**1,500**	**1,500**	**1,800**	**-**	**8,247**

Estimated useful life - dependent on the specific project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Projects are considered annual scalable programs and will incorporate annual tenders and are not considered a major capital project.

Project Name: **Transit Buses**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210000220

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	20,960	21,138	21,737	22,360	23,007	23,669	111,911	132,871
Financed by:									
Cash to Capital		1,969	3,979	4,331	5,390	4,491	3,774	21,965	23,934
Transit Bus Replacement Reserve						10,889	12,268	23,157	23,157
Federal Gas Tax		6,442	6,735	6,735	7,027	7,627	7,627	35,751	42,193
External Debt		8,549	10,424	10,671	9,943			31,038	39,587
Retained Earnings		4,000						-	4,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	20,960	21,138	21,737	22,360	23,007	23,669	-	132,871
Financed by:								
Cash to Capital	1,969	3,979	4,331	5,390	4,491	3,774		23,934
Transit Bus Replacement Reserve					10,889	12,268		23,157
Federal Gas Tax	6,442	6,735	6,735	7,027	7,627	7,627		42,193
External Debt	8,549	10,424	10,671	9,943				39,587
Retained Earnings	4,000							4,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	398	1,307	2,353	3,410	3,934	3,934
Transfer to General Capital Fund	1,969	3,979	4,331	5,390	4,491	3,774
Total Direct Costs	2,367	5,286	6,684	8,800	8,425	7,708
Less: Incremental Revenue/Recovery	290	288	300	307	308	321
Net Cost/(Benefit)	2,077	4,998	6,384	8,493	8,117	7,387
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Surplus funds will automatically be transferred to the following year's Transit Buses program budget.

This project is for the on-going purchase of low-floor urban transit buses for the replacement of buses that have reached the end of their useful life. Costs will also include all outfitting costs associated with these purchases.

	2020	2021	2022	2023	2024	2025
Forecasted Number of Buses Included in Budget and Forecast above **	32	30	30	30	30	30

The 2020 budget estimate includes provision for 2 additional buses required for the Children Under 12 Ride for Free program.

Includes 1 temporary capital funded full-time equivalent (FTE) position (Coordinator Contracts).

Additional maintenance hours are required to maintain new and more complex systems on today's bus. New buses have more complex electronics, emission controls systems, air conditioning units, and fire suppression systems which result in increased maintenance hours. Additionally, the change in composition to the fleet with the addition of articulated buses also increases the maintenance needs.

Transit Buses (continued):

Estimated useful life - 18 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** The projection of the number of buses included in the budget is provided as an estimate only and is subject to change as the price per bus changes based on a number of factors. These factors include the movement in the Statistics Canada Monthly Industrial Product Price Index which is influenced by the fluctuation in the Canadian currency and inflation, steel tariffs, timing of order placement in relation to the budget approval, and changes to technology or product development.

Project Name: **Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230010520

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets *	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	467,300	-	-	-	-	-	-	-	-
Financed by:									
P3 Canada	93,300							-	-
Provincial Grant	180,650							-	-
2010 Provincial Grant for Roads	6,350							-	-
Public Private Partnership (City)	137,150							-	-
External Debt	40,050							-	-
Southwest Rapid Transit Corridor Reserve	4,200							-	-
CN Rail Cost Apportionment	5,600							-	-
Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve	2,130	14,460	14,720	14,760	14,880	15,190	15,280	74,830	89,290
P3 Annual Service / Financing Payments (City)	(80)	(11,070)	(11,330)	(11,370)	(11,490)	(11,800)	(11,890)	(57,880)	(68,950)
External Debt Annual Service Payments (City)	(2,050)	(3,390)	(3,390)	(3,390)	(3,390)	(3,390)	(3,390)	(16,950)	(20,340)

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	14,460	14,720	14,760	14,880	15,190	15,280	403,113	492,403
Financed by:								
Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve	14,460	14,720	14,760	14,880	15,190	15,280	403,113	492,403

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	2,550	3,482	3,623	3,697	3,774	3,853
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	2,550	3,482	3,623	3,697	3,774	3,853
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	2,550	3,482	3,623	3,697	3,774	3,853
Incremental Full Time Equivalent Positions	36.75	49.00	49.00	49.00	49.00	49.00

Class Estimate: Not applicable

The Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass (SWRT) was approved by Council on June 25, 2014 using a P3 approach and the transitway is expected to be opened in April 2020.

Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass (continued):

The Previous Budget and Approximate Overall Project Funding (in $000s):

City	187,000	40%
Province	187,000	40%
Federal	93,300	20%
	467,300	

Debt and Other Financing

Council approved additional borrowing authority of $31 million (March 23, 2015) and $112 million (July 15, 2015), for a total of $143 million, as a method of interim financing the project, to be repaid as funding from the Province of Manitoba is received. This repayment is expected to be complete by 2022 with payments flowing as follows:

(in $000s)	**Authorized**	**2019**	**2020**	**2021**	**2022**	**Total**
Interim Financing - External Debt / (Repayments)	143,000	(31,000)	(67,000)	(22,500)	(22,500)	-

There is also $40.05 million approved in external debt for this project. All related debt and financing charges from this loan will be funded through the Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass Payment Reserve.

Operating and Maintenance Payments

The City will make on-going lease payments to Plenary Roads Winnipeg Transitway LP (PRW) extending until 2049. These payments are required under a 30-year contract with PRW and cover the remaining capital cost of the Transitway as well as on going maintenance.

There are significant provisions in the contract to ensure the City's performance specifications are met and the facility is returned to the City in good condition at the end of the contract. Costs associated with monitoring this contract, including the salary recovery of the Senior Project Review/P3 Specialist and other P3 costs, are also included in this budget. Payments to PRW are performance based and are reduced where the City's performance specifications are not met.

A portion of the payment to PRW represents an annual amount dedicated to the maintenance of the Transitway, including long-term rehabilitative costs. This amount is adjusted for changes to the Consumer Price Index on an annual basis.

The ongoing maintenance costs for the Transitway was previously assumed to be shared by the City 50% and Province 50%. However the Province has confirmed they will not provide this funding and the assumption now is the City will be assuming full responsibility for these costs.

As financing and administration costs are implicit in the lease payments, this project is exempt from the Corporate Administration and interest charges.

* No amounts have been included in the "Previous Budgets" related to P3 Annual Service / Finance Payments due to this project's on-going nature.

Project Name: **Accessibility Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4230030220

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	250	250	250	250	250	1,250	1,750
Financed by:									
Cash to Capital		500	250	250	250	250	250	1,250	1,750

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	250	250	250	250	250	-	1,750
Financed by:								
Cash to Capital	500	250	250	250	250	250		1,750

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund	500	250	250	250	250	250
Total Direct Costs	500	250	250	250	250	250
Less: Incremental Revenue/Recovery	14	7	7	7	7	7
Net Cost/(Benefit)	486	243	243	243	243	243
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program includes work over several years to update bus stops in order to meet accessibility standards, provide wheelchair access (powered) doors at all heated shelters, and paved access. It will also include a design study to determine solutions to provide information for visually-impaired riders at major stops.

Includes a shared temporary capital funded full-time equivalent position (Project Manager) with the Heavy Shop Equipment Replacement Program and the Hoist Replacement at Fort Rouge Garage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Heavy Shop Equipment Replacement Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010621

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	200	200	200	1,000	1,000
Financed by:									
Cash to Capital			200	200	200	200	200	1,000	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	200	200	200	200	200	-	1,000
Financed by:								
Cash to Capital		200	200	200	200	200		1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund		200	200	200	200	200
Total Direct Costs	-	200	200	200	200	200
Less: Incremental Revenue/Recovery		5	6	6	6	6
Net Cost/(Benefit)	-	195	194	194	194	194
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Heavy Shop Equipment Replacement Program will replace several of Transit's outdated and aged equipment in the maintenance shop. This will minimize equipment and bus downtime, save money on expensive custom parts, and ensure buses are available for service in a timely manner.

Includes a shared temporary, capital funded full-time equivalent position (Project Manager) with the Accessibility Program and the Hoist Replacement at Fort Rouge Garage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Hoist Replacement at Fort Rouge Garage**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210010420

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,500	2,500	1,500	1,500	4,000	-	9,500	11,000
Financed by:									
Cash to Capital					545	2,271		2,816	2,816
External Debt		1,500	2,500	1,500	955	1,729		6,684	8,184

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,500	2,500	1,500	1,500	4,000	-	-	11,000
Financed by:								
Cash to Capital				545	2,271			2,816
External Debt	1,500	2,500	1,500	955	1,729			8,184

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	53	179	299	379	479	528
Transfer to General Capital Fund				545	2,271	
Total Direct Costs	53	179	299	924	2,750	528
Less: Incremental Revenue/Recovery	45	77	46	46	125	
Net Cost/(Benefit)	8	102	253	878	2,625	528
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

All 38 in-ground hoists found in the Fort Rouge Garage maintenance shop require replacement due to deterioration and age, inefficient and outdated designs, and to ensure compliance with new hoist codes and standards.

Includes a shared temporary capital funded full-time equivalent position (Project Manager) with the Heavy Shop Equipment Replacement Program and Accessibility Program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Heated Bus Shelter Program**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210001520

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,500	1,500	1,500	1,500	-	-	4,500	6,000
Financed by:									
Retained Earnings		1,500	1,500	1,500	1,500			4,500	6,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,500	1,500	1,500	1,500	-	-	-	6,000
Financed by:								
Retained Earnings	1,500	1,500	1,500	1,500				6,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	47	47	47	41		
Net Cost/(Benefit)	(47)	(47)	(47)	(41)	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program includes the purchase, installation, and/or rehabilitation of heated bus shelters. The department will develop a strategy to construct shelters concurrent with the result of the Winnipeg Transit Master Plan which will identify preferred sites. Future operating budget impacts, following construction, may need to be adjusted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Low Income Bus Pass**

Standing Policy Committee: Infrastructure Renewal and Public Works

Department: Transit
Project: 4210001620

Service: Public Transit
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	236	139	-	-	-	-	-	-	139
Financed by:									
Retained Earnings		139							139

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	139	-	-	-	-	-	-	139
Financed by:								
Retained Earnings	139							139

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	302	413	424	435	444	453
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	302	413	424	435	444	453
Less: Incremental Revenue/Recovery	(298)	(1,337)	(2,302)	(2,546)	(2,594)	(2,646)
Net Cost/(Benefit)	600	1,750	2,726	2,981	3,038	3,099
Incremental Full Time Equivalent Positions	5.25	7.00	7.00	7.00	7.00	7.00

Class Estimate: 3

On October 24, 2019, Council approved the Low Income Transit Pass Program Policy. As per this Council directive and the 2019 operating budget recommendations, the Public Service is progressing on the implementation of the Low Income Transit Pass Program with a launch date of April 1, 2020. The project is on schedule to begin accepting applications on April 1, 2020, with the May 2020 monthly bus pass being the first low income product for sale.

This project facilitates the set up of all aspects of the low income pass program including, but not limited to, technological and system requirements, program administration including application routing and review, and customer support.

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Project Name: **Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2003000620
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	200	520	2,000	1,030	1,650	3,700	8,900	9,100
Financed by:									
Retained Earnings		200	520	2,000	1,030	1,650	3,700	8,900	9,100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	200	520	2,000	1,030	1,650	3,700	-	9,100
Financed by:								
Retained Earnings	200	520	2,000	1,030	1,650	3,700		9,100

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The Shoal Lake Aqueduct, which has been in continuous service since 1919, delivers water to Winnipeg from Shoal Lake, a distance of 156 kilometers (97 miles).

Funds are for condition assessment and rehabilitation work identified through on-going monitoring and inspection programs. Work identified to date includes rehabilitation of the aqueduct pipe, berm, and underdrain system, rehabilitation of the drainage siphons crossing under the aqueduct, and the rehabilitation/replacement of select boathouses, overflow structures, bar screens, stop logs, vent pipes, manholes, culverts, ditches, bridging structures and railway crossings signals.

The expected life of this asset is 40 years.

Class 3 estimate applies to projects in 2020 only. Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Shoal Lake Aqueduct Intake Facility Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2012000221
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	2,050	5,450	-	4,265	585	12,350	12,350
Financed by:									
Retained Earnings			2,050	5,450		4,265	585	12,350	12,350

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	2,050	5,450	-	4,265	585	-	12,350
Financed by:								
Retained Earnings		2,050	5,450		4,265	585		12,350

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	(55)	(55)	(55)	(55)	(55)	(55)
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	(55)	(55)	(55)	(55)	(55)	(55)
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	(55)	(55)	(55)	(55)	(55)	(55)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The Shoal Lake Aqueduct, which has been in continuous service since 1919, is the sole water supply infrastructure for the City. The Shoal Lake Intake Structure is the transition headworks to receive water from Shoal Lake and to control the water flow into the aqueduct. Given the critical nature of the intake structure and its associated venturi structure to the safe operation of the aqueduct and the City's water supply, a condition assessment was undertaken and identified a number of rehabilitation and replacement requirements. This included the replacement and refurbishment of various mechanical components that date back to the original construction, upgrades to the mussel control system, as well as upgrades and improvements to the existing infrastructure. The recommended improvements will be completed in phases according to priority.

Preliminary design will provide a class 3 estimate prior to construction.

$900,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Branch Aqueduct Condition Assessment and Rehabilitation (formerly Aqueduct Condition Assessment and Rehabilitation)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2003000520
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,400	1,000	-	-	1,000	-	1,000	2,000	3,000
Financed by:									
Retained Earnings					1,000		1,000	2,000	2,000
Transfer from Prior Year Authorization		1,000						-	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,000	-	-	1,000	-	1,000	-	3,000
Financed by:								
Retained Earnings				1,000		1,000		2,000
Transfer from Prior Year Authorization	1,000							1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate	**4**			**5**		**5**
Preliminary Design	100			300		100
Detailed Design & Construction	900			700		900

The Branch I and II Aqueducts, along with the Branch Interconnection Aqueduct are specialized pipes which are unique in size, materials, construction techniques and failure modes. The Branch I Aqueduct was installed between 1914 to 1918 and the Branch II and Interconnection Aqueducts were installed between 1959 and 1963. All of these require specialized inspection, testing, and maintenance to preserve the asset.

Funds are for the condition assessment and rehabilitation of the Branch and Interconnection Aqueducts along with their associated ancillaries.

Preliminary planning will provide a class 3 estimate prior to inspection and/or construction.

Funding in 2020 includes $1,000,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 40 years.

Project Name: **Tache Booster Pumping Station**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000621
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,179	-	1,000	-	-	1,300	685	2,985	2,985
Financed by:									
Retained Earnings			1,000			1,300	685	2,985	2,985

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,000	-	-	1,300	685	-	2,985
Financed by:								
Retained Earnings		1,000			1,300	685		2,985

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate		**4**			**5**	**5**
Preliminary Design		200				
Detailed Design & Construction		800			1,300	685

The Tache Booster Pumping Station, on the Branch 1 Aqueduct, was constructed in 1950 in order to develop the full capacity of the aqueduct. A study identified a number of required upgrades to the pumping station and the aqueduct surge tower adjacent to the station. The work includes upgrading the station's electrical, heating and ventilation systems, upgrading the foundation and roof structures, and upgrading and reconfiguring the valve and piping system between the pumping station and the surge tower. Also, aesthetic, security fencing, and landscaping upgrades to the site and facilities will be undertaken to integrate with the proposed residential redevelopment of the surrounding area.

Preliminary design work will provide a class 3 estimate prior to construction.

The expected life of the rehabilitated asset is 50 years.

Project Name: **Pumping Stations and Reservoirs Structural Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001220

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	800	-	-	-	-	-	-	800
Financed by:									
Retained Earnings		800						-	800

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	800	-	-	-	-	-	-	800
Financed by:								
Retained Earnings	800							800

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The McPhillips, Wilkes and MacLean reservoirs provide balancing storage to meet fluctuating daily water demands; the McPhillips, Hurst, and MacLean pumping stations provide the final pumping to deliver water to the water utility customers. These pump stations and reservoirs were constructed in the early 1960s. It is anticipated that the building structures will require upgrading to ensure the uninterrupted operation of these pumping facilities.

Condition assessments will be undertaken at the reservoirs to identify any repairs needed to ensure the reservoirs remain operational for the next 50 years. Additional investments in the pumping stations and reservoirs will be put forward as a result of the condition assessments.

The expected life of these assets is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Chlorination Upgrading at Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001121
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	3,575	-	-	-	-	3,575	3,575
Financed by:									
Retained Earnings			3,575					3,575	3,575

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	3,575	-	-	-	-	-	3,575
Financed by:								
Retained Earnings		3,575						3,575

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The Drinking Water Quality Strategy Project has determined that chlorination at the existing pumping stations should continue in order to maintain a chlorine residual in the distribution system. The existing chlorination system uses chlorine gas, which is a hazardous chemical.

Funds are for the design and installation of a new chlorine system or for the existing system to be upgraded in order to reduce risks.

The expected life of these assets is 25 years.

Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000220

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	16,425	2,690	-	-	-	-	-	-	2,690
Financed by:									
Retained Earnings		2,690						-	2,690

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,690	-	-	-	-	-	-	2,690
Financed by:								
Retained Earnings	2,690							2,690

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The City's Regional Supervisory Control and Data Acquisition (SCADA) system, which is used to provide automated control and visualization of the water supply and distribution system, has reached the end of its useful life. Further, the Programmable Logic Controllers (PLCs), which are specialized hardware with customized software that provide local control of the water distribution system, have also reached the end of their useful life. To ensure a continuous supply of water to the City of Winnipeg, the Regional SCADA system and PLCs need to be replaced. Power reliability upgrades will be undertaken in conjunction with the SCADA and PLC upgrades to address shortcomings in the existing control and instrumentation design and will add redundancy to ensure greater station reliability.

The major benefits of constructing this project include maintaining essential level of service.

Significant risks associated with constructing this project include impact on service delivery during construction and changes in market conditions.

Significant risks of not constructing the project or deferring the project include inability to maintain essential level of service.

The expected life of these assets ranges from 5 to 12 years.

Project Name: **Waterworks System Security Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001001520
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	-	-	-	-	-	-	500
Financed by:									
Retained Earnings		500						-	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	-	-	-	-	-	-	500
Financed by:								
Retained Earnings	500							500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The waterworks system is made up of complex infrastructure that delivers water from Shoal Lake to Winnipeg homes and businesses. Operating the waterworks system is subject to legislation including the Drinking Water Safety Act, Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act, and Environment Act. Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to drinking water quality and public health. Funding is required for increased security measures to adequately protect the waterworks system.

Preliminary design work will provide a class 3 estimate prior to construction.

Funds for this program will be included in future years as needs are identified.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Regulatory Assessment of Water System Infrastructure and Supply Sources**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001000721

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	575	-	-	-	-	575	575
Financed by:									
Retained Earnings			575					575	575

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	575	-	-	-	-	-	575
Financed by:								
Retained Earnings		575						575

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

A drinking water system infrastructure assessment is required under the Provincial Drinking Water Safety Act. The objective of the report is to carry out an onsite evaluation to identify, analyze, and mitigate any potential adverse health risks and environmental impacts associated with the water system in a "source to tap" methodology. This work will also determine whether the water system's source, facilities, equipment, and operations are effective in producing safe drinking water, and meet current regulations.

Infrastructure assessment reports are required on a five-year reporting frequency.

Project Name: **Deacon Reservoir Cell Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2011000125
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,783	-	-	-	-	-	100	100	100
Financed by:									
Retained Earnings							100	100	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	-	100	-	100
Financed by:								
Retained Earnings						100		100

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The Deacon Reservoir is used to supplement the City's water supply when the daily demand exceeds the capacity of the Shoal Lake Aqueduct and to provide water during Shoal Lake Aqueduct shutdowns. A topographic survey of the top of the reservoir dikes found some top of dike elevations that were substantially lower than design elevations. Geotechnical testing was completed and found that the dike fill remains well compacted and consolidation of the soils below the dikes is ongoing but is slowing over time. Based on existing water demands and the operational strategy of the reservoir, consolidation will continue to be monitored through dike surveys and any dike raises will be deferred until water demands increase.

The expected life of this asset is 50 years.

Project Name: **Deacon Booster Pumping Station Suction Header Divider Wall and Valve**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000922
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	57	-	-	350	985	-	-	1,335	1,335
Financed by:									
Retained Earnings				350	985			1,335	1,335

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	350	985	-	-	-	1,335
Financed by:								
Retained Earnings			350	985				1,335

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate			**5**	**5**		
Detailed Design & Construction			350	985		

The Deacon Booster Pumping Station suction header pipe has been identified as a single point of failure for the supply of treated water to the City.

Funds are used to effectively divide the suction header. This will permit a continuous supply of water to the City in the event a leak occurs on this suction header.

The expected life of this asset is 50 years.

Project Name: **Deacon Site Flood Protection**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2002500520
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	300	1,850	-	-	-	-	-	-	1,850
Financed by:									
Retained Earnings		25						-	25
Transfer from Prior Year Authorization		1,825						-	1,825

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,850	-	-	-	-	-	-	1,850
Financed by:								
Retained Earnings	25							25
Transfer from Prior Year Authorization	1,825							1,825

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The Deacon site ditch drainage system experienced overland flooding due to high water levels in the drain discharging into the floodway during the 1997 flood. With the expanded floodway and the increased water levels, additional flood protection measures must be installed to protect the water treatment plant and related onsite buildings.

Preliminary design work will provide a class 3 estimate prior to construction.

Funding in 2020 includes $1,825,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 50 years.

Project Name: **HVAC Upgrades at Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001420
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	4,090	-	-	-	-	-	-	4,090
Financed by:									
Retained Earnings		4,090						-	4,090

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	4,090	-	-	-	-	-	-	4,090
Financed by:								
Retained Earnings	4,090							4,090

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs			(500)	(500)	(500)	(500)
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	(500)	(500)	(500)	(500)
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	(500)	(500)	(500)	(500)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The McPhillips, Hurst and MacLean pumping stations provide the final pumping to deliver water to the water utility customers. The pump stations use chillers and distribution water to maintain operating temperatures in the facilities and for the equipment. The chillers at McPhillips and Hurst have to be replaced as the refrigerant currently used will be phased out in 2020. The natural gas engines and the fluid couplings use distribution water for cooling which is then sent to waste. A new method for cooling the natural gas engines will be investigated and implemented.

Preliminary design work will provide a class 3 estimate prior to construction.

The estimated life of this asset is 20 years.

Project Name: **Ultraviolet Light Disinfection System Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001520
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	27	855	1,735	-	-	-	-	1,735	2,590
Financed by:									
Retained Earnings			1,735					1,735	1,735
Transfer from Prior Year Authorization		855						-	855

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	855	1,735	-	-	-	-	-	2,590
Financed by:								
Retained Earnings		1,735						1,735
Transfer from Prior Year Authorization	855							855

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs		(40)	(40)	(40)	(40)	(40)
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	(40)	(40)	(40)	(40)	(40)
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	(40)	(40)	(40)	(40)	(40)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate	**4**	**5**				
Preliminary Design	155					
Detailed Design & Construction	700	1,735				

Filtered water produced by the water treatment plant undergoes final treatment by ultraviolet light at the Deacon Booster Pumping Station before being delivered to the City's water distribution system. The ultraviolet light disinfection system is an integral pathogen barrier in the treatment process. An assessment report was finalized in 2016 to evaluate upgrade options to address recent research findings in medium-pressure lamp technology, maintenance concerns from several key system components at or near the end of their useful life, as well as optimization of the system for the treated water quality. Funding is to complete the recommended upgrades.

Preliminary engineering will develop a class 3 estimate prior to construction.

Funding in 2020 includes $855,000 rebudgeted from capital budget authorized in 2017 - see Appendix 4.

$880,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of this asset is 20 years.

Project Name: **Discharge Meter Upgrades at the In-town Pumping Stations**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001621

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	150	-	3,950	-	-	-	-	3,950	3,950
Financed by:									
Retained Earnings			3,950					3,950	3,950

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	3,950	-	-	-	-	-	3,950
Financed by:								
Retained Earnings		3,950						3,950

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The in-town pumping stations supply 100% of the City's daily water use. Accurate flow measurement of water leaving the pumping stations is critical to the operation of the water distribution system. Due to age and lack of hardware support, the accuracy of the existing meters is not within an acceptable range.

Funds are to replace the meters and provide a means of secondary measurement.

Preliminary design will provide a class 3 estimate prior to construction.

The estimated life of this asset is 25 years.

Project Name: **Water Treatment Plant Asset Refurbishment and Replacement Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2002500820
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	700	470	5,530	-	-	-	-	5,530	6,000
Financed by:									
Retained Earnings		470	5,530					5,530	6,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	470	5,530	-	-	-	-	-	6,000
Financed by:								
Retained Earnings	470	5,530						6,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The water treatment plant provides treated drinking water to the City of Winnipeg. The continued upkeep and maintenance of the water treatment plant's assets is required to ensure a continuous supply of water. An asset refurbishment and replacement plan has been developed to address asset lifecycle issues at the water treatment plant as they arise.

Condition assessment of the water treatment plant assets is ongoing and the asset refurbishment and replacement program will address items as they are identified and prioritized.

Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

The estimated life of a rehabilitated asset ranges from 20 to 80 years, depending on asset type, condition, and the rehabilitation method used.

Project Name: **Pumping Stations Reliability Upgrades**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005000321
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,196	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings		-	200			-		200	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

The electrical power supply is the primary source of energy to drive the pumps in the drinking water pump stations. Electrical power disruptions have caused the electric pumps to shut down for protection purposes, which results in reduced water service. In order to identify the deficiencies in the system, a Water Pumping Station Power Reliability Study was completed. One of the recommendations of the study was to carry out water pumping stations electrical inspections. The study and the inspections produced recommendations for a number of electrical and control improvements to reduce the effects of electrical power disruptions.

The required improvements will be completed in phases according to priority. The Water Pumping Station Power Reliability Study also recommended a number of upgrades to address risks associated with the configuration of the pumping and ancillary equipment. These reliability upgrades will address shortcomings in the existing control and instrumentation design and will add redundancy to ensure greater station reliability. These reliability upgrades will be undertaken in conjunction with the Supervisory Control and Data Acquisition upgrade project to minimize station shut-down times.

Power quality benchmark testing has found that the electric motors used to distribute potable water from the McPhillips Regional Pumping Station are causing an unacceptable temporary voltage drop upon motor start-up. Preliminary design will be undertaken to determine the options available to limit voltage drop and may identify power quality upgrade requirements at other water pumping stations.

The estimated life of this asset is 60 years.

Project Name: **Study of Backup Power Supply for the Hurst Pumping Station**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2005001321
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	425	-	-	-	-	425	425
Financed by:									
Retained Earnings			425					425	425

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	425	-	-	-	-	-	425
Financed by:								
Retained Earnings		425						425

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The MacLean and McPhillips pumping stations are driven using two sources of energy: electrical power supply and natural gas. The Hurst Pumping Station, serving the largest portion of the City's water demand, is equipped solely with electrically driven pumps. Despite some redundancy in the electrical supply to the station, Hurst has experienced electrical power disruptions that caused the electric pumps to shut down for protection purposes, which resulted in reduced water service.

In light of electrical interruptions at Hurst Pumping Station, the Regional Water Supply Conceptual Planning Study Update recommended assessing the need for backup power supply to this station. This study will evaluate options for backup power supply and provide cost estimates for options.

Study to be updated to a class 3 estimate following further discussion with Manitoba Hydro as part of pre-bid estimate.

$400,000 from 2017 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The estimated life of this asset is 50 years.

Project Name: **Feeder Main Condition Assessment and Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2004000720

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	3,550	200	500	200	1,150	1,860	3,910	7,460
Financed by:									
Retained Earnings		3,550	200	500	200	1,150	1,860	3,910	7,460

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	3,550	200	500	200	1,150	1,860	-	7,460
Financed by:								
Retained Earnings	3,550	200	500	200	1,150	1,860		7,460

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Feeder mains are specialized pipes which are unique in size, materials, construction techniques, and failure modes. The majority of feeder mains were installed in the 1960s and require inspection, testing, and maintenance to preserve the asset. The program will also include replacement of valves and operators, related pipe connections, valve chambers, structural assessments, and restoration works.

Additional investments in Feeder Main Condition Assessment and Rehabilitation will be put forward as a result of recent and ongoing condition assessment.

The estimated life of a rehabilitated asset ranges from 20 to 80 years, depending on asset type, condition, and the rehabilitation method used.

Individual projects within this program will be revised to class 3 estimates through preliminary engineering prior to construction.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Water Meter Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2001003420
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	450	-	-	-	-	16,000	16,000	16,450
Financed by:									
Retained Earnings		450						-	450
Water Meter Renewal Reserve							16,000	16,000	16,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	450	-	-	-	-	16,000	-	16,450
Financed by:								
Retained Earnings	450							450
Water Meter Renewal Reserve						16,000		16,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate	**3**					**5**
Feasibility	450					500
Preliminary Design						1,500
Detailed Design & Construction						14,000

The majority of the City's inventory of water meters are at end of life. Funds in 2020 will be used to review current water meter technology, validate the best replacement technology, and develop a plan and class 3 estimate for implementation of a multi-year direct-read water meter replacement program.

Implementation of the water meter renewal program is forecast to be funded by the Water Meter Renewal Reserve fund in 2025. On January 30, 2020, Council authorized the establishment of the Water Meter Renewal Reserve. The reserve will accumulate funds starting in 2020 for replacement and renewal of aging water meters and an advanced meter system.

The estimated life of a water meter is 15 years.

Project Name: **Water Main Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2013100120
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	17,500	18,000	18,500	19,000	20,000	20,500	96,000	113,500
Financed by:									
Water Main Renewal Reserve		17,500	18,000	18,500	19,000	20,000	20,500	96,000	113,500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	17,500	18,000	18,500	19,000	20,000	20,500	-	113,500
Financed by:								
Water Main Renewal Reserve	17,500	18,000	18,500	19,000	20,000	20,500		113,500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is a continuing program to replace and/or rehabilitate deteriorating water main infrastructure. Funding is used for water main replacement, cathodic protection, valve and hydrant replacement/rehabilitation, correction of dead end mains, upgrading of substandard mains, water system studies, assessments, development of design standards and replacement of problem water services within the City right-of-way, and hydraulic improvements for fire protection purposes. Funding is also used for integrated right-of-way renewal programs coordinated with the Public Works Department.

The expected remaining life of each rehabilitated water main ranges from 20 to 80 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Customer Billing and Work Management Systems Upgrades Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001220

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,045	2,200	350	550	750	600	4,450	5,495
Financed by:									
Retained Earnings		1,045	2,200	350	550	750	600	4,450	5,495

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,045	2,200	350	550	750	600	-	5,495
Financed by:								
Retained Earnings	1,045	2,200	350	550	750	600		5,495

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs		75	125	130	135	140
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	75	125	130	135	140
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	75	125	130	135	140
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Customer Care and Billing (CCB) is used to manage customer accounts and collections for Water, Wastewater and Solid Waste services. Oracle Work Order and Asset Management (WAM) is used in the delivery of Water and Wastewater services for work planning, management, infrastructure preventative maintenance and renewal programs. Both CCB and WAM require ongoing product updates to ensure these systems can support the day-to-day operations within the Water and Waste Department.

This program will maintain the Customer Care and Billing and Oracle Work Order and Asset Management systems to meet current and future business requirements resulting from functional, technical, and business continuity changes.

The estimated life of this asset is 10 years.

Funding for this program is split between the Waterworks System Fund and the Sewage Disposal Fund.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Application and Data Integration**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001820

Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	250	250	350	400	565	515	2,080	2,330
Financed by:									
Retained Earnings		250	250	350	400	565	515	2,080	2,330

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	250	250	350	400	565	515	-	2,330
Financed by:								
Retained Earnings	250	250	350	400	565	515		2,330

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs					28	29
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	28	29
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	28	29
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program will integrate various applications and data sources at Water and Waste Department to be able to connect information across systems and to obtain a single source of truth. This will expand service delivery capabilities, improve access to and sharing of data and information, and enable new applications and technologies to provide superior utility service to customers.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Digital Enablement for Plant and Field Employees**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010001920
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,300	750	750	750	500	500	3,250	4,550
Financed by:									
Retained Earnings		1,300	750	750	750	500	500	3,250	4,550

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,300	750	750	750	500	500	-	4,550
Financed by:								
Retained Earnings	1,300	750	750	750	500	500		4,550

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	100	100	120	120	120	120
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	100	100	120	120	120	120
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	100	100	120	120	120	120
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program will develop and implement technology solutions that can be leveraged by plant and field employees to perform their work more effectively and efficiently, and provide timely information to the public and 311. This will increase productivity by reducing manual effort, improve accessibility to information, improve accuracy and quality of information, reduce time to record and retrieve information, improve communication, and improve customer service and experience.

This project may include a maximum of 1.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Laboratory Information Management System Upgrade and Enhancement**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2010000820
Service: Water
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,225	1,050	-	-	-	-	-	-	1,050
Financed by:									
Retained Earnings		1,050						-	1,050

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,050	-	-	-	-	-	-	1,050
Financed by:								
Retained Earnings	1,050							1,050

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	53	95	98	101	104	107
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	53	95	98	101	104	107
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	53	95	98	101	104	107
Incremental Full Time Equivalent Positions	0.50	1.00	1.00	1.00	1.00	1.00

Class Estimate: 3

The Laboratory Information Management System (LIMS) is used to track and report on water and wastewater sampling results. This project will upgrade LIMS SampleManager to the most current version for optimal security, stability, and performance as well as implement enhancements to provide robust reporting that is compliant with regulatory requirements, integration of instruments and downstream applications to serve division-needs, and enable mobile access for LIMS users to enhance productivity.

Starting in the last half of 2020, this project will require 1 additional full-time equivalent (FTE) of an Information Systems Specialist to support the LIMS SampleManager solution.

This project may include a maximum of 0.25 temporary capital funded FTE’s.

The estimated life of this asset is 10 years.

Project Name: **Sludge Drying Beds Decommissioning**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2034001124

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	375	-	375	375
Financed by:									
Retained Earnings						375		375	375

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	375	-	-	375
Financed by:								
Retained Earnings					375			375

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The former sludge drying beds in West St. Paul are no longer being used for storage. Decommissioning the sludge drying beds is a condition of closing the Environment Act Licence 1089 E RR. This work will develop a class 3 estimate for a decommissioning plan and identify options for future use.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Process Control System Master Plan and Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040000621

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	7,000	-	3,000	-	-	7,000	-	10,000	10,000
Financed by:									
Retained Earnings			3,000			7,000		10,000	10,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,000	2,000	-	2,500	2,000	2,500	10,000
Financed by:								
Retained Earnings		1,000	2,000		2,500	2,000	2,500	10,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

The Water and Waste Department's three sewage treatment plants utilize a Distributed Control System (DCS) with a Process Control View (PCV) Human Machine Interface (HMI) for process control. It is an intricate network of specialized computers that monitor thousands of sensors throughout the plants and controls the treatment processes by making calculations and adjustments prescribed by operators and process control analysts.

An Automation Master Plan was developed for the sewage treatment plants in 2012. The DCS system will be replaced with a Programmable Logic Controller (PLC) based system and a new HMI system will be installed at all three treatment plants. The replacement of the DCS and HMI systems at the North End and South End Sewage Treatment Plants are part of the major capital upgrade projects at these facilities.

This program will develop a plan to ensure operational reliability throughout the upgrades and in the long term once the upgrades are complete. The major components of this program include: maintaining the DCS and HMI systems until replacement, upgrading the inter-plant communication systems and network security components, and replacement of the West End Sewage Treatment Plant DCS and HMI systems.

The class estimate will be refined to a class 3 prior to undertaking upgrades.

$4,000,000 from 2017 and 2018 capital budget authorization was returned to Retained Earnings for redistribution and is being budgeted in 2021.

The expected life of the new PLC system is 20 years and the new HMI system is 10 years.

Project Name: **Asset Refurbishment and Replacement Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030000520
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	6,000	5,000	2,000	5,000	5,000	5,000	22,000	28,000
Financed by:									
Retained Earnings		6,000	5,000	2,000	5,000	5,000	5,000	22,000	28,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	6,000	5,000	2,000	5,000	5,000	5,000	-	28,000
Financed by:								
Retained Earnings	6,000	5,000	2,000	5,000	5,000	5,000		28,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

A risk and criticality review of the City's three sewage treatment plants has been undertaken to assess the condition of assets and to develop a refurbishment and replacement plan for the next 25 years. The improvements identified will address process reliability, mechanical, electrical, structural components, building envelope and safety at all three locations including any related works required such as environmental studies/assessments or decommissioning of assets. Operational efficiency improvements will also be identified and implemented in a coordinated fashion with the enhanced maintenance program.

Asset assessment and plan development are ongoing, which will continue to address items as identified.

Class estimates for individual projects within this program will be revised to class 3 through preliminary engineering prior to construction.

The expected life of the structure upgrades is 50 years and the expected life of the electrical and mechanical components is 25 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **West End Sewage Treatment Plant (WEWPCC) - Facilities Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2033001121
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Retained Earnings		500						500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

In 2008, the West End Sewage Treatment Plant was upgraded to meet new nutrient removal regulations. Some assets were not upgraded and are now nearing their end of life.

The plan will assess capacity and expansion options of key process components (e.g. headworks) to meet projected growth in the catchment area and identify ancillary assets for replacement and/or refurbishment. Ancillary assets include process piping, heating and ventilation, mechanical and electrical components. This is done to support process operations and maintain environmental compliance.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Arc Flash Hazard Analysis and Remediation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030001820
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	385	320	270	-	-	-	590	975
Financed by:									
Retained Earnings		385	320	270				590	975

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	385	320	270	-	-	-	-	975
Financed by:								
Retained Earnings	385	320	270					975

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

As part of the Canadian Standards Association Occupational Health and Safety program, a new standard entitled CSA Z462, Workplace Electrical Safety Standard has been adopted within the new Canadian Electrical Code.

The program will implement the recommendations from the Arc Flash Study on a priority/risk basis in conjunction with other electrical upgrades at the Department's facilities. This work includes decreasing the potential arc flash energy at various distribution points, upgrading equipment to lower fault energies, procuring personal protective equipment and providing training. This is for compliance to the arc flash requirements in the electrical code.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **D'Arcy Lift Station Load Shedding Upgrade**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2035000621

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	400	-	400	-	-	-	-	400	400
Financed by:									
Retained Earnings			400					400	400

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	400	-	-	-	-	-	400
Financed by:								
Retained Earnings		400						400

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Currently all of the land in Winnipeg, south of Bishop Grandin Boulevard and west of the Red River plus the communities of Lindenwoods and Whyte Ridge, are serviced by the D'Arcy Wastewater Lift Station located at the Red River and the Fort Garry Bridge.

During high water events on the Red River, if pump capacity is lost at the South End Sewage Treatment Plant (SEWPCC) the risk to basement flooding is substantial. To mitigate this risk, the D'Arcy Wastewater Lift Station needs to be reconfigured to allow the use of lift pumps to pump flows to the Red River during emergency situations.

The expected life of this asset is 50 years.

Project Name: **Lift Stations Upgrading**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2035000120
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,925	6,250	6,250	3,250	6,500	7,000	29,250	32,175
Financed by:									
Retained Earnings		2,925	6,250	6,250	3,250	6,500	7,000	29,250	32,175

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,925	6,250	6,250	3,250	6,500	7,000	-	32,175
Financed by:								
Retained Earnings	2,925	6,250	6,250	3,250	6,500	7,000		32,175

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour and aesthetic problems, as well as for undertaking capacity assessments for the 75 lift stations and associated force mains, gate chambers, and related works in the sewage collection system.

The program includes the condition assessment of all lift stations to establish rehabilitation priority and future funding requirements.

Class estimates for individual projects within this program will be revised to class 3 through preliminary engineering prior to construction.

The estimated life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **River Crossings Monitoring and Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2037500020
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	6,200	950	1,700	600	-	5,000	8,250	14,450
Financed by:									
Retained Earnings		6,200	950	1,700	600		5,000	8,250	14,450

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	6,200	950	1,700	600	-	5,000	-	14,450
Financed by:								
Retained Earnings	6,200	950	1,700	600		5,000		14,450

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

This project is for the condition assessment, rehabilitation and/or replacement of the sewer river crossings and for the installation of leak detection equipment on the existing waterway crossings.

The department has completed a risk assessment of all river crossings in order to determine a prioritization plan for ongoing condition assessment as well as to upgrade and replace any at-risk crossings as required by Environment Licences issued by the Province of Manitoba for the wastewater collection system in the City of Winnipeg.

These funds will also be used to install continuous leak detection monitoring equipment at river crossings as required by the Provincial Environmental Licence.

A class 3 estimate will be obtained prior to construction or inspection work.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Combined Sewer Overflow and Basement Flood Management Strategy**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2038000120

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	31,610	23,110	29,120	30,000	32,000	34,160	148,390	180,000
Financed by:									
Environmental Projects Reserve		31,610	23,110	29,120	30,000	32,000	34,160	148,390	180,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	31,610	23,110	29,120	30,000	32,000	34,160	-	180,000
Financed by:								
Environmental Projects Reserve	31,610	23,110	29,120	30,000	32,000	34,160		180,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Combined Sewer Overflow (CSO) and Basement Flood Management Strategy projects will be driven by the Combined Sewer Overflow Master Plan, which was approved by the Province on November 13, 2019, developed to meet the requirements of Environment Act Licence No. 3042. The objectives of this multi-year program are to: comply with the regulators to mitigate the impact of CSO's on the local water courses and improve basement flooding protection.

On November 24, 2017, Manitoba Sustainable Development directed the City to finalize the CSO Master Plan by August 2019 to implement CSO control to capture a minimum of 85% CSO volume in a representative year by 2045 or an alternative date subject to approval of the director of Manitoba Sustainability Development. The City was also directed to provide a further plan by 2030 to achieve a secondary control target of a maximum of 4 CSOs in a representative year, and provide an updated implementation timeline.

Funds budgeted are for the development and implementation of a CSO Master Plan as well as for sewer relief works associated with basement flooding and CSO mitigation including sewers, chambers, weirs, and other related works. Funds are also budgeted for monitoring and reporting programs and systems, pilot studies, land acquisition, and integration with other major sewer programs.

All projects will be updated to a class 3 estimate through preliminary and detailed design prior to any construction work.

The expected life of the sewers is 50 years, mechanical components is 25 years and SCADA system is 10 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Comminutor Chamber Rehabilitation Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003020

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,150	1,300	-	-	-	-	-	-	1,300
Financed by:									
Retained Earnings		1,300						-	1,300

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,300	-	-	-	-	-	-	1,300
Financed by:								
Retained Earnings	1,300							1,300

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This program involves the rehabilitation of 19 sewage pump stations which have decommissioned comminutor chambers associated with them. These stations currently have open concrete flumes located inside the station, which sewage flows through. Due to these open flumes, high levels of hydrogen sulfide (H2S) and excessive moisture have caused corrosion damage to electrical equipment, remote terminal unit (RTU) panels, motor control centers (MCC) and the electric motors. Installation of a closed pipe through these open flumes will eliminate or reduce the levels of H2S in the stations and therefore reduce the amount of corrosion to the equipment in these stations and will improve station reliability.

The expected life of this asset is 50 years.

Project Name: **Southwest Interceptor River Crossing**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2037001624
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,350	-	-	-	-	5,000	35,000	40,000	40,000
Financed by:									
Retained Earnings						5,000	35,000	40,000	40,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	5,000	35,000	-	40,000
Financed by:								
Retained Earnings					5,000	35,000		40,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: See table below

	2020	2021	2022	2023	2024	2025
Class Estimate					**5**	**5**
Preliminary Design					2,500	
Detailed Design & Construction					2,500	35,000

Currently, all sewage from the land in Winnipeg south of Bishop Grandin Boulevard and west of the Red River plus the communities of Lindenwoods and Whyte Ridge flow to the South End Sewage Treatment Plant (SEWPCC). This flow crosses the Red River between the Fort Garry bridges; at this location the D'Arcy lift station raises the sewage to a sufficient height to allow it to flow by gravity under the Red River.

This crossing represents a single point of failure. If there is a failure of the lift station or the siphon, there is a substantial risk of basement flooding and/or overflows to the Red River. System redundancy is required to convey flows to the treatment plant in the event of a failure of either D'Arcy lift station or the associated siphons. Also, due to the high wet weather flows experienced at the D'Arcy lift station, the additional system capacity will reduce the risk of basement flooding and overflows to the river.

The South West Interceptor Crossing will provide an additional gravity crossing of the Red River. A conceptual study will be undertaken to review options and sizing.

The major benefits of constructing this project include enabling growth in south-west Winnipeg and maintaining essential level of service.

Significant risks associated with constructing this project include unknown ground conditions and construction of a river crossing.

Significant risks of not constructing the project or deferring the project include inability to accommodate future growth and inability to maintain essential level of service.

The expected life of this asset is 75 years.

Project Name: **Wastewater Services Facilities Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003420
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	350	-	-	-	-	-	-	350
Financed by:									
Retained Earnings		350						-	350

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	350	-	-	-	-	-	-	350
Financed by:								
Retained Earnings	350							350

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The Wastewater Services Facilities Plan will evaluate options to consolidate or centralize various buildings used by Wastewater Services Division, including mechanical and maintenance shops, storage facilities, and offices. These facilities are currently spread out over multiple sites.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Environmental Standards Laboratory Facility Plan**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003624
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	530	-	530	530
Financed by:									
Retained Earnings						530		530	530

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	530	-	-	530
Financed by:								
Retained Earnings					530			530

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Environmental Standards Division operates a Canadian Association for Laboratory Accreditation (CALA) accredited laboratory for testing, monitoring, and compliance reporting on behalf of the Water and Waste Department. To ensure the laboratory can continue to stay up-to-date with CALA accreditation standards, meet future regulatory monitoring and reporting requirements, and accommodate the increasing demands of the laboratory's internal clients, a new facility plan is required. The plan will also investigate options to bring additional testing in-house with further accreditation requirements.

Additional funds will be required in future years to implement the recommendations of this plan.

Project Name: **Sewer Renewals**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2039100120

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	17,000	17,500	18,000	18,500	21,000	21,000	96,000	113,000
Financed by:									
Sewer System Rehabilitation Reserve		7,000	17,500	18,000	18,500	21,000	21,000	96,000	103,000
Transfer from Prior Year Authorization		10,000						-	10,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	17,000	17,500	18,000	18,500	21,000	21,000	-	113,000
Financed by:								
Sewer System Rehabilitation Reserve	7,000	17,500	18,000	18,500	21,000	21,000		103,000
Transfer from Prior Year Authorization	10,000							10,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is a program to replace and/or rehabilitate combined, wastewater, and land drainage sewer infrastructure that are no longer meeting level of service objectives. A portion of the funding will be used for condition assessment of sewer assets; sewers will be replaced or rehabilitated using appropriate technologies on a risk-based level of service basis. Funds will also be utilized to update the sewer asset register, and ongoing operating costs associated with software licensing and maintenance have been included.

Funding will also be utilized for the assessment, repair and/or replacement, under certain conditions, of private wastewater sewer services within the public right-of-way under the Sewer By-Law, and for the development of wastewater and land drainage design standards.

The expected remaining life of each rehabilitated sewer ranges from 20 to 100 years, depending on the rehabilitation technology and the asset condition. The expected life of the asset register is 10 years.

Funding in 2020 includes $10,000,000 rebudgeted from capital budget authorized in 2016, 2017 and 2018 - see Appendix 4.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Departmental Levels of Service Framework**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2030003520

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	200	-	-	-	-	-	-	200
Financed by:									
Retained Earnings		200						-	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	200	-	-	-	-	-	-	200
Financed by:								
Retained Earnings	200							200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

Developing Levels of Service (LOS) was identified as a next step in the Corporate and Departmental Asset Management Plan project. The LOS component of an asset management plan describes what people experience from a municipality's infrastructure. Part of an LOS framework also includes determining metrics by which to gauge asset performance. The LOS framework, along with asset metrics, provides the basis for risk-based decision making, ensures adequate funding is available to meet LOS, and also enables discussion about current and/or proposed LOS to be achieved over time.

The expected life of this asset is 10 years.

Project Name: **Water and Waste Department (WWD) Business Intelligence**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001320

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,050	1,550	300	300	1,100	550	3,800	4,850
Financed by:									
Retained Earnings		1,050	1,550	300	300	1,100	550	3,800	4,850

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,050	1,550	300	300	1,100	550	-	4,850
Financed by:								
Retained Earnings	1,050	1,550	300	300	1,100	550		4,850

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	205	326	347	393	404	411
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	205	326	347	393	404	411
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	205	326	347	393	404	411
Incremental Full Time Equivalent Positions	2.00	2.00	3.00	3.00	3.00	3.00

Class Estimate: Not applicable, as this is a scalable program

This project will develop a solution that will improve access to data and information, provide improved analytics, dashboarding, and reporting functionality, provide timely reporting of data, and generate insights to improve evidence-based decision-making.

Starting in 2020, this program will require 1 additional full-time equivalent (FTE) of a Tech Lead/Senior Data Engineer that will be responsible for data architecture, collection, ingestion, and quality management; and 1 additional FTE of a Systems Operations Developer that will be responsible for infrastructure setup and support.

Starting in 2022, this program will require 1 additional FTE of a Data Scientist that will be responsible for developing, training, and optimizing models for analytics.

This project may include a maximum of 1 temporary capital funded FTE.

The estimated life of this asset is 10 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Customer Billing and Work Management Systems Upgrades Program**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001220
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,045	2,200	350	550	750	600	4,450	5,495
Financed by:									
Retained Earnings		1,045	2,200	350	550	750	600	4,450	5,495

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,045	2,200	350	550	750	600	-	5,495
Financed by:								
Retained Earnings	1,045	2,200	350	550	750	600		5,495

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs		75	125	130	135	140
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	75	125	130	135	140
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	75	125	130	135	140
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Customer Care and Billing (CCB) is used to manage customer accounts and collections for Water, Wastewater and Solid Waste services. Oracle Work Order and Asset Management (WAM) is used in the delivery of Water and Wastewater services for work planning, management, infrastructure preventative maintenance and renewal programs. Both CCB and WAM require ongoing product updates to ensure these systems can support the day-to-day operations within the Water and Waste Department.

This program will maintain the Customer Care and Billing and Oracle Work Order and Asset Management systems to meet current and future business requirements resulting from functional, technical, and business continuity changes.

The estimated life of this asset is 10 years.

Funding for this program is split between the Waterworks System Fund and the Sewage Disposal Fund.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Digital Customer Solutions**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040002120

Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	350	350	715	715	2,630	3,130
Financed by:									
Retained Earnings		500	500	350	350	715	715	2,630	3,130

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	500	350	350	715	715	-	3,130
Financed by:								
Retained Earnings	500	500	350	350	715	715		3,130

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs			55	57	58	60
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	55	57	58	60
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	55	57	58	60
Incremental Full Time Equivalent Positions						

Class Estimate: Not applicable, as this is a scalable program

This program will sustain, enhance, and mature the Water and Waste Department's existing digital customer platforms (i.e. MyUtility Bill). It will also develop and implement new digital customer channels that will improve operational performance and customer service.

This project may include a maximum of 1.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

*N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **WWD Document Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040001820
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	850	500	250	250	-	-	-	500	1,000
Financed by:									
Retained Earnings		500	250	250				500	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	500	250	250	-	-	-	-	1,000
Financed by:								
Retained Earnings	500	250	250					1,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	50	50	50	50	60	60
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	50	50	50	50	60	60
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	50	50	50	50	60	60
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The collaboration and document platform provides the ability to upload, store, and retrieve documents in a concise, practical manner using a standard practice for all divisions within the department. This will increase both internal and external stakeholders accessibility to departmental documents. A document management system will also automate the review and approval processes within Water and Waste Department (WWD) resulting in faster turn-around time.

This project may include a maximum of 0.25 temporary capital funded full-time equivalents.

The estimated life of this asset is 10 years.

Project Name: **WWD Learning Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2040002024
Service: Wastewater
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	565	-	565	565
Financed by:									
Retained Earnings						565		565	565

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	565	-	-	565
Financed by:								
Retained Earnings					565			565

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs					60	62
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	60	62
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	60	62
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

The Learning Management System will be used to schedule, track, and monitor regulatory required training and certification for Water and Waste Department (WWD) employees. The tool will also provide online training capabilities for training coordinators and optimize the training delivery process.

The estimated life of this asset is 10 years.

Project Name: **Brady Road Resource Management Facility - Cell Construction**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000420
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	700	1,200	750	1,300	500	-	3,750	4,450
Financed by:									
Retained Earnings		700	1,200	750	1,300	500		3,750	4,450

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	700	1,200	750	1,300	500	-	-	4,450
Financed by:								
Retained Earnings	700	1,200	750	1,300	500			4,450

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Solid waste must be disposed of in engineered landfill cells under the conditions of the Environment Act Licence No. 3081 R. As the capacity of existing landfill cells is consumed, new cells and their supporting infrastructure must be designed and constructed. The funding identified provides for design, excavation, liners, leachate collection, associated surface and ground water management, access roads, and associated engineering work.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Brady Road Resource Management Facility - Site Improvements**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000821

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	200	-	-	-	-	200	200
Financed by:									
Landfill Rehabilitation Reserve			200					200	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Landfill Rehabilitation Reserve		200						200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This work is a requirement of the Province of Manitoba Environment Act Licence No. 3081 R.

Licensing requirements identify the need for site improvements such as landscaping or security and communications upgrades to mitigate risk and to facilitate response in case of emergency.

The expected life of this asset is 10 years.

Project Name: **Brady Road Resource Management Facility - Alternative Energy Project**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062000922

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	2,500	-	-	-	2,500	2,500
Financed by:									
External Debt				2,500				2,500	2,500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	2,500	-	-	-	-	2,500
Financed by:								
External Debt			2,500					2,500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges			111	162	162	162
Transfer to General Capital Fund						
Total Direct Costs	-	-	111	162	162	162
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	111	162	162	162
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

Landfill gas from the Brady Road Resource Management Facility is currently captured and flared as required by the Climate Change and Emissions Reductions Act. Landfill gas is comprised of approximately 50% methane and represents a significant potential energy source that could be harnessed. Landfill gas to energy systems, capturing heat and/or power, are common in landfills throughout North America.

Funds provisioned are for engineering and detailed design. Funding opportunities with external third parties are currently being explored for full implementation.

The estimated life of this asset is 40 years.

Project Name: **Closed Landfill Site Improvement**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2060000620

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	970	100	100	100	-	-	300	1,270
Financed by:									
Landfill Rehabilitation Reserve		970	100	100	100			300	1,270

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	970	100	100	100	-	-	-	1,270
Financed by:								
Landfill Rehabilitation Reserve	970	100	100	100				1,270

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs	59	60	61			
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	59	60	61	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	59	60	61	-	-	-
Incremental Full Time Equivalent Positions						

Class Estimate: Not applicable, as this is a scalable program

The Closed Landfill Site Improvement program was initiated in 2016 as a response to the Landfill Disposition Study that prioritized projects to improve and upgrade closed landfill components, including the protective cap, leachate and landfill gas collection systems, and monitoring equipment.

The program also includes a soil fabrication pilot project at Summit Landfill. This is an operational-scale demonstration of an all-season operation that uses city residuals, such as biosolids, street sweepings from winter road operations (sand and grit) and woodchips, to fabricate top soil to complete the cap system at Summit Landfill. Capping the landfill is a regulatory requirement that will protect human health and the environment. The soil blends are designed to be environmentally protective and support vegetative growth, while restoring the landfill to a native prairie landscape.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Soil Fabrication for Landfill Cover**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2062001121
Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	1,250	1,300	1,300	1,350	1,400	6,600	6,600
Financed by:									
Landfill Rehabilitation Reserve			1,250	1,300	1,300	1,350	1,400	6,600	6,600

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,250	1,300	1,300	1,350	1,400	-	6,600
Financed by:								
Landfill Rehabilitation Reserve		1,250	1,300	1,300	1,350	1,400		6,600

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This is a program for all-season fabrication of soil to supplement city topsoil requirements. The soil fabrication process uses city residuals, such as biosolids, street sweepings from winter road operations (sand and grit) and woodchips, to fabricate top soil. This is then spread and seeded with native prairie species at city landfills. Operations include ongoing environmental and vegetative monitoring.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Comprehensive Integrated Waste Management Strategy (CIWMS) - Review**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2060000723
Service: Recycling and Waste Diversion
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	450	-	-	450	450
Financed by:									
Waste Diversion Reserve					450			450	450

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	450	-	-	-	450
Financed by:								
Waste Diversion Reserve				450				450

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

On October 19, 2011 Council adopted the Comprehensive Integrated Waste Management Strategy for implementation starting in 2012. The strategy includes a recommendation for Solid Waste Services to undertake a review, analysis and development of a roadmap of the City's solid waste systems every five years. The next review will take place in 2023.

Project Name: **Source Separated Organics**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2065000920
Service: Recycling and Waste Diversion
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,800	-	-	-	-	-	-	1,800
Financed by:									
Waste Diversion Reserve		1,800						-	1,800

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,800	-	-	-	-	-	-	1,800
Financed by:								
Waste Diversion Reserve	1,800							1,800

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

A Source Separated Organics (SSO) pilot project will be initiated in some Winnipeg neighbourhoods. The purpose of the pilot is to gauge homeowner interest and participation in a program that diverts and collects organic waste separately from the traditional waste stream. Information obtained from this project will determine the feasibility of, and develop a business case for, the implementation of a full city-wide program.

On December 12, 2019, Council authorized a first charge of up to $1,800,000 in 2019, or prior to the adoption of the 2020 Capital Budget, for Source Separated Organics contract procurement for a curbside pilot project.

A class 3 estimate will be developed prior to pilot project implementation.

Project Name: **Collection Management System**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2064000322

Service: Solid Waste Collection and Disposal
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	700	-	-	250	-	-	-	250	250
Financed by:									
Waste Diversion Reserve				250				250	250

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	250	-	-	-	-	250
Financed by:								
Waste Diversion Reserve			250					250

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This project will provide an integrated collection management information system that will manage cart inventory and delivery, billing and payment processing, vendor and contract management, customer service inquiries and operational and compliance reporting capabilities. The scope of this project will include building new system functionalities within the in-house developed Collections Management System (CMS), integrating CMS with garbage and recycling contractor's application systems as well as with other internal City systems, and developing tools to generate compliance, operational and financial reports and dashboards.

The expected life of this asset is 10 years.

Project Name: **Flood Pumping Station Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2076500120
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Financed by:									
Transfer from Sewage Disposal System Fund		500	1,000	1,000	1,000	1,000	1,000	5,000	5,500
Transfer from Prior Year Authorization		500						-	500

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000
Financed by:								
Transfer from Sewage Disposal System Fund	500	1,000	1,000	1,000	1,000	1,000		5,500
Transfer from Prior Year Authorization	500							500

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

A 2007 report on the adequacy and operation of the City's regional flood pumping stations identified station upgrades required in the near and long term. These upgrades improve overall station reliability during high river levels and rainfall events and may include changes to ventilation, electrical, mechanical, structural, or architectural components of the stations and associated structures, chambers, weirs, outfall pipes and gates. A program to address high priority reliability items has been developed for implementation. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

Funding in 2020 includes $500,000 re-budgeted from capital budget authorized in 2017 - see Appendix 4.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage Sewers - Regional / Local Streets**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2082000224

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	-	-	100	100	200	200
Financed by:									
Transfer from Sewage Disposal System Fund						100	100	200	200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	-	-	-	100	100	-	200
Financed by:								
Transfer from Sewage Disposal System Fund					100	100		200

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

Land drainage sewers and catch basins required for Local Improvement projects and other miscellaneous drainage improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2078500220
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,680	-	-	-	-	-	-	2,680
Financed by:									
Transfer from Sewage Disposal System Fund		2,680						-	2,680

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,680	-	-	-	-	-	-	2,680
Financed by:								
Transfer from Sewage Disposal System Fund	2,680							2,680

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

All land drainage gate chambers have been upgraded to a protection level of James 24.5 ft. The current focus is to upgrade the City's storm relief sewer (SRS) gate chambers to provide improved dewatering in combined sewer districts during summer rainstorms. The older SRS systems are only isolated from the river with sluice gates. An engineering study has been undertaken to develop conceptual designs and cost estimates for adding flap gates and permanent pumping as required for some of the identified sites, and will be undertaken for remaining sites in future years.

Funds are also provisioned for the rehabilitation of sewer flap gates and associated structures to ensure that all systems are adequately protected from river water intrusion.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments)**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2075000121
Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	430	-	-	485	-	915	915
Financed by:									
Transfer from Sewage Disposal System Fund			430			485		915	915

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	430	-	-	485	-	-	915
Financed by:								
Transfer from Sewage Disposal System Fund		430			485			915

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 4

There are over 100 stormwater retention basins (SRBs) that the City maintains as part of the land drainage system. This program is utilized to replace aging and deteriorated infrastructure along the public shorelines and infrastructure associated with the SRBs of the City's lake system.

The expected life of this asset is 15 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Outfall Rehabilitation**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2078000120

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,000	2,000	4,000	3,500	3,500	4,000	17,000	19,000
Financed by:									
Transfer from Sewage Disposal System Fund		2,000	2,000	4,000	3,500	3,500	4,000	17,000	19,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	2,000	2,000	4,000	3,500	3,500	4,000	-	19,000
Financed by:								
Transfer from Sewage Disposal System Fund	2,000	2,000	4,000	3,500	3,500	4,000		19,000

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

An Outfall Condition Assessment was completed in 2019. This assessment prioritizes Winnipeg's outfall sites that require renewal/ rehabilitation, identifies potential renewal/rehabilitation techniques for each outfall, and provides high level cost estimates for this work. The City will program and undertake risk-based work on a yearly basis to maximize use of funding for the rehabilitation of sewer outfalls, repairs to piping and related appurtenances, and to improve riverbank stability issues.

Approximately $2.0 million of project funding from current and prior years has been allocated to the Wellington Crescent Project. See the Riverbank Stabilization - Physical Asset Protection project under Planning, Property and Development for more details.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Development Agreement Paybacks**

Standing Policy Committee: Water and Waste, Riverbank Management and the Environment

Department: Water and Waste
Project: 2077000121

Service: Land Drainage and Flood Control
OurWinnipeg: Environment

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	1,040	700	1,000	1,700	500	4,940	4,940
Financed by:									
Developer Capacity Charges			500	700	1,000	1,700	500	4,400	4,400
Transfer from Sewage Disposal System Fund			540					540	540

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	-	1,040	700	1,000	1,700	500	-	4,940
Financed by:								
Developer Capacity Charges		500	700	1,000	1,700	500		4,400
Transfer from Sewage Disposal System Fund		540						540

NET OPERATING IMPACT ($000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The provision for development agreement payback is an allowance for the City to repay developers who bridge finance the installation of oversized underground infrastructure at the request of the City at a time when City capital funding is not provided. The policy framework for bridge financing the oversized services was defined in the Development Agreement Parameters, adopted by Council on July 17, 2002.

Development agreement paybacks will be funded by two sources:

1) Developer capacity charges: used to fund paybacks related to oversized regional land drainage services. Paybacks will be managed based on available funds in the Developer Capacity Charges account.

2) Transfer from Sewage Disposal System Fund: generally used to fund local underground services oversizing.

The expected life of the installed assets are over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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WINNIPEG FLEET MANAGEMENT AGENCY - FLEET MANAGEMENT AGENCY FUND

Project Name: **Shop Tools & Equipment Upgrades**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000120

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	255	265	245	255	255	255	1,275	1,530
Financed by:									
Accumulated Surplus (Retained Earnings)		255	265	245	255	255	255	1,275	1,530

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	255	265	245	255	255	255	-	1,530
Financed by:								
Accumulated Surplus (Retained Earnings)	255	265	245	255	255	255		1,530

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program is for the purchase of various shop equipment. This includes safety upgrades, overhead cranes, hoists, oil system upgrades, rolling jacks, diagnostic equipment, hydraulic hose machines and various welding machines.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Power Tools**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000220

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	125	125	125	125	125	125	625	750
Financed by:									
Accumulated Surplus (Retained Earnings)		125	125	125	125	125	125	625	750

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	125	125	125	125	125	125	-	750
Financed by:								
Accumulated Surplus (Retained Earnings)	125	125	125	125	125	125		750

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program is for the purchase of Power Tools required to support services provided by Public Works and other City departments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fuel Site Upgrades and Improvements**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)

Service: Fleet Management Agency (SOA)

Project: 8310000320

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	200	200	200	200	200	1,000	1,200
Financed by:									
Accumulated Surplus (Retained Earnings)		200	200	200	200	200	200	1,000	1,200

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	200	200	200	200	200	200	-	1,200
Financed by:								
Accumulated Surplus (Retained Earnings)	200	200	200	200	200	200		1,200

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

The Winnipeg Fleet Management Agency (WFMA) offers three types of fuel at below market prices - unleaded gasoline, clear diesel and marked diesel available at five fully automated 24/7 locations strategically located throughout the city. Fuel is managed using a charge-back system based on fuel consumption for each individual fleet vehicle. This program funds capital improvement expenditures to infrastructure at WFMA fuel sites.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Building Renovations**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8310000420
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	214	160	225	190	197	197	969	1,183
Financed by:									
Accumulated Surplus (Retained Earnings)		214	160	225	190	197	197	969	1,183

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	214	160	225	190	197	197	-	1,183
Financed by:								
Accumulated Surplus (Retained Earnings)	214	160	225	190	197	197		1,183

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: Not applicable, as this is a scalable program

This program is for refurbishment and/or improvements to various Winnipeg Fleet Management Agency (WFMA) owned facilities and includes interior, accessibility, heating, ventilation, air conditioning, electrical, plumbing, parking lot, building envelope and structural improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fleet Asset Acquisitions**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8330000120
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	15,178	15,670	15,670	15,670	15,670	15,670	78,350	93,528
Financed by:									
External Debt		15,178	15,670	15,670	15,670	15,670	15,670	78,350	93,528

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	15,178	15,670	15,670	15,670	15,670	15,670	-	93,528
Financed by:								
External Debt	15,178	15,670	15,670	15,670	15,670	15,670		93,528

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges	314	802	1,202	1,637	2,026	2,314
Transfer to General Capital Fund						
Total Direct Costs	314	802	1,202	1,637	2,026	2,314
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	314	802	1,202	1,637	2,026	2,314
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3 - applies to 2020 only

This program funds fleet asset acquisitions which are based on the Winnipeg Fleet Management Agency (WFMA) 2020 to 2023 fleet replacement plan, and are subject to future revision due to WFMA and City department decisions and vendor availability. Fleet acquisitions in 2020 are estimated by fleet category as follows (in thousands of dollars):

- Agricultural equipment $101
- Attachments $109
- Cargo vans $147
- Industrial equipment $112
- Light duty trucks $299
- Medium duty trucks $2,207
- Sedans $708
- Specialty and fire equipment $11,274
- Sport utility vehicles $221

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fleet Software Application**

Standing Policy Committee: Innovation and Economic Development

Department: Fleet Management Agency (SOA)
Service: Fleet Management Agency (SOA)

Project: 8340000121
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	929	-	-	-	-	929	929
Financed by:									
Accumulated Surplus (Retained Earnings)			929					929	929

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)		929					-	929
Financed by:								
Accumulated Surplus (Retained Earnings)		929						929

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery						
Net Cost/(Benefit)	-	-	-	-	-	-
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

A new fleet software application is required to enhance reporting related to the repair and maintenance of equipment, repair facility capacity and productivity, parts inventory and transferring of parts between facilities. The software will provide additional functionality such as the ability to assign more than one mechanic to a maintenance or repair task on a work order, plus provide additional reporting for the management of equipment, parts and staff to optimize lifecycle analysis of vehicles and equipment.

Project Name: **Automated License Plate Recognition (ALPR) Program**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority

Service: Parking Authority (SOA)

Project: 8400000120

OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	178	126	172	137	238	149	822	1,000
Financed by:									
Accumulated Surplus (Retained Earnings)		178	126	172	137	238	149	822	1,000

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	178	126	172	137	238	149	-	1,000
Financed by:								
Accumulated Surplus (Retained Earnings)	178	126	172	137	238	149		1,000

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs						
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	-	-	-	-	-	-
Less: Incremental Revenue/Recovery	6	4	6	4	8	5
Net Cost/(Benefit)	(6)	(4)	(6)	(4)	(8)	(5)
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3 - applies to 2020 only

This program supports the delivery of on-street and off-street enforcement of parking related by-laws, as well as enforcement related to the Vehicles For Hire by-law, by investing in technologies that allow for effective enforcement practices and increased compliance with by-laws. Capital funding is used to both replace automated license plate recognition (ALPR) units and purchase new inventory and necessary information technology infrastructure, such as laptops.

Planned investments for 2020 include:

Two new ALPR units to support improved school zone, fire lane and surface lot enforcement, plus laptop replacements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Parking Access & Revenue Control System**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority
Service: Parking Authority (SOA)
Project: 8400000220
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	373	-	-	-	-	-	-	373
Financed by:									
Accumulated Surplus (Retained Earnings)		373						-	373

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	373	-	-	-	-	-	-	373
Financed by:								
Accumulated Surplus (Retained Earnings)	373							373

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs	7	7	7	7	7	7
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	7	7	7	7	7	7
Less: Incremental Revenue/Recovery	12					
Net Cost/(Benefit)	(5)	7	7	7	7	7
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 3

This project will replace the existing Parking Access Revenue Control System at the Millennium Library Parkade that has reached the end of its useful life. The replacement of payment systems at the parkade and upgrades to the entry and exit gate systems will ensure the reliability of hardware and software systems, allow for numerous improvements to customer service as well as ensure Payment Card Industry Data Security Standard compliance.

Project Name: **Enhanced Security - Millennium Library Parkade**

Standing Policy Committee: Innovation and Economic Development

Department: Winnipeg Parking Authority
Service: Parking Authority (SOA)
Project: 8400000320
OurWinnipeg: Prosperity

AUTHORIZATION	Previous Budgets	2020 Estimate	FORECAST 2021	2022	2023	2024	2025	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Destination Marketing Reserve		100						-	100

CASH FLOW	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Destination Marketing Reserve	100							100

NET OPERATING IMPACT (000's)	2020	2021	2022	2023	2024	2025
Operating costs	10	10	10	10	10	10
Debt and finance charges						
Transfer to General Capital Fund						
Total Direct Costs	10	10	10	10	10	10
Less: Incremental Revenue/Recovery	3					
Net Cost/(Benefit)	7	10	10	10	10	10
Incremental Full Time Equivalent Positions	-	-	-	-	-	-

Class Estimate: 5

This project is an extension of the Parking Access and Revenue Control System project to enhance security at the Millennium Library Parkade. The project will include installation of a new access control system in the stairwells of the parkade for enhanced security, which will be funded through the Destination Marketing Reserve. Work will not proceed until a class 3 estimate is obtained. The project was approved by Council on January 30, 2020.

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CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS							
Roadway Construction and Maintenance	150,694	158,831	174,478	157,771	152,744	167,487	962,005
Transportation Planning and Traffic Management	5,516	1,935	1,677	1,369	1,450	1,479	13,426
Public Transit	26,435	28,635	27,612	28,638	30,463	25,044	166,827
City Beautification	352		226	228	237	302	1,345
Total Infrastructure Renewal and Public Works	182,997	189,401	203,993	188,006	184,894	194,312	1,143,603
WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT							
Water	37,600	40,960	28,250	23,915	30,180	46,045	206,950
Wastewater	69,065	61,530	58,590	58,550	80,535	109,025	437,295
Land Drainage and Flood Control	7,821	4,570	5,700	5,500	6,785	5,600	35,976
Solid Waste Disposal	1,670	2,750	4,900	2,700	1,850	1,400	15,270
Recycling and Waste Diversion	1,800			450			2,250
Total Water and Waste, Riverbank Management and the Environment	117,956	109,810	97,440	91,115	119,350	162,070	697,741
PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT							
Neighbourhood Revitalization	1,000	1,000	1,000				3,000
Developement Approvals, Building Permits and Inspections	1,215	1,947	1,019				4,181
Heritage Conservation			100				100
Property Asset Management - Tax Supported	106	100			100		306
Property Asset Management - Municipal Accommodations	4,607	3,523	931	1,333	2,660	943	13,997
Cemeteries	1,048	936	150				2,134
Total Property and Development, Heritage and Downtown Development	7,976	7,506	3,200	1,333	2,760	943	23,718
PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD							
Police Response	2,966	4,990	5,047	3,034	2,655	2,098	20,790
Fire and Rescue Response	5,773	1,371	13,540	11,528	651	481	33,344
Medical Response	5,339	1,043	3,852	841	1,017	1,138	13,230
Recreation	8,485	8,935	2,425	2,460	1,874	2,485	26,664
Parks and Urban Forestry	9,095	14,115	9,673	9,378	2,045	4,313	48,619
Libraries	661	300	100	325	850	350	2,586
Arts, Entertainment and Culture	4,800	2,000	2,000	2,000	2,000	2,000	14,800
Total Protection, Community Services and Parks / Winnipeg Police Board	37,119	32,754	36,637	29,566	11,092	12,865	160,033
INNOVATION AND ECONOMIC DEVELOPMENT							
Fleet Management Agency (SOA)	15,972	17,349	16,465	16,440	16,447	16,447	99,120
Parking Authority (SOA)	651	126	172	137	238	149	1,473
Innovation, Transformation and Technology	6,776	4,951	4,460	2,770	2,151	3,619	24,727
Total Innovation and Economic Development	23,399	22,426	21,097	19,347	18,836	20,215	125,320
EXECUTIVE POLICY							
Assessment, Taxation and Corporate		237	312		250	312	1,111
Contact Centre - 311	122	100		100			322
Council Services		100	110	100		100	410
Total Executive Policy	122	437	422	200	250	412	1,843
TOTAL CAPITAL PROGRAM	369,569	362,334	362,789	329,567	337,182	390,817	2,152,258

CAPITAL PROJECT SUMMARY ***SERVICE BASED VIEW*** *(in Thousands of $)*	**DETAIL PAGE NO.**	**PRELIMINARY CAPITAL** **BUDGET 2020**	**FORECAST** **2021**	**2022**	**2023**	**2024**	**2025**	**6 YEAR TOTAL**
CAPITAL PROJECTS LISTING								
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS								
Roadway Construction and Maintenance								
Public Works								
Pedestrian and Cycling Program	2-1	**3,622**	**1,852**	**1,650**	**1,590**	**1,651**	**1,683**	**12,048**
Developer Payback - Various Locations	2-6	**9,750**						**9,750**
Inner-Ring Road - Functional Design	2-12					**551**		**551**
Regional and Local Street Renewal - Council has authorized first charges of $28.286 million (Council March 20, 2019), $500,000 (Council September 26, 2019), and $37.750 million (Council December 12, 2019) for a total of $66.536 million in 2019 or prior to the adoption of the 2020 capital budget. See page 2-13 for a detailed listing of the first charge authorizations.	2-13	**130,322**	**151,016**	**161,416**	**136,001**	**124,095**	**144,104**	**846,954**
Osborne Street Underpass	2-24						**1,100**	**1,100**
Dublin Avenue Bridge (Omand's Creek) - First charge against the 2020 Capital Budget of up to $3.3 million (Council March 20, 2019)	2-25	**3,300**						**3,300**
Pembina Highway Overpass (Bishop Grandin) Rehabilitation	2-26				**1,000**	**2,000**	**17,400**	**20,400**
St. Vital Bridge Rehabilitation	2-27		**2,000**	**6,212**	**13,600**	**19,200**		**41,012**
Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)	2-28			**2,000**	**2,000**	**2,000**		**6,000**
Waterway Crossing and Grade Separations - Annual Program	2-29	**2,970**	**3,513**	**3,000**	**3,000**	**3,000**	**3,000**	**18,483**
Asset Management System - Various Divisions	2-35	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Assessment and Taxation								
Local Improvements - Ongoing Program	2-129	**630**	**350**	**100**	**480**	**147**	**100**	**1,807**
Total Roadway Construction and Maintenance		**150,694**	**158,831**	**174,478**	**157,771**	**152,744**	**167,487**	**962,005**

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
Transportation Planning and Traffic Management								
Public Works								
Transportation Master Plan	2-7	**875**	**125**	**250**				**1,250**
Traffic Signals Improvements	2-8	**688**						**688**
Traffic Signals Loops	2-9	**250**	**250**	**250**	**250**	**250**	**250**	**1,500**
Permanent Traffic Monitoring Stations	2-10	**623**						**623**
Traffic Engineering Improvements - Various Locations	2-11	**1,900**	**1,560**	**1,177**	**1,119**	**1,200**	**1,229**	**8,185**
Land Acquisition - Transportation Right of Way	2-36	**1,180**						**1,180**
Total Transportation Planning and Traffic Management		**5,516**	**1,935**	**1,677**	**1,369**	**1,450**	**1,479**	**13,426**
Public Transit								
Transit								
Transit Information Technology Program (formerly Innovative Transit Program)	2-130		**500**	**325**	**500**	**325**	**325**	**1,975**
Transit Building Replacement / Refurbishment	2-131	**336**	**600**	**600**	**828**	**881**	**600**	**3,845**
Transit Roof Replacement and Ventilation Upgrade (formerly Transit Building Roof Replacement and Ventilation Upgrade)	2-132	**1,500**	**1,947**	**1,500**	**1,500**	**1,800**		**8,247**
Transit Buses	2-133	**20,960**	**21,138**	**21,737**	**22,360**	**23,007**	**23,669**	**132,871**
Accessibility Program	2-137	**500**	**250**	**250**	**250**	**250**	**250**	**1,750**
Heavy Shop Equipment Replacement Program	2-138		**200**	**200**	**200**	**200**	**200**	**1,000**
Hoist Replacement at Fort Rouge Garage	2-139	**1,500**	**2,500**	**1,500**	**1,500**	**4,000**		**11,000**
Heated Bus Shelter Program	2-140	**1,500**	**1,500**	**1,500**	**1,500**			**6,000**
Low Income Bus Pass	2-141	**139**						**139**
Total Public Transit		**26,435**	**28,635**	**27,612**	**28,638**	**30,463**	**25,044**	**166,827**
City Beautification								
Planning, Property and Development								
Downtown Enhancement Program	2-94			**100**	**228**	**237**	**151**	**716**
BIZ Zones, Image Routes and Neighbourhood Main Streets	2-96	**352**		**126**			**151**	**629**
Total City Beautification		**352**		**226**	**228**	**237**	**302**	**1,345**
TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS		**182,997**	**189,401**	**203,993**	**188,006**	**184,894**	**194,312**	**1,143,603**

CAPITAL PROJECT SUMMARY ***SERVICE BASED VIEW*** *(in Thousands of $)*	**DETAIL PAGE NO.**	**PRELIMINARY CAPITAL**						
		BUDGET	**FORECAST**					**6 YEAR**
		2020	**2021**	**2022**	**2023**	**2024**	**2025**	**TOTAL**
WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT								
Water								
Water and Waste - Waterworks System								
Shoal Lake Aqueduct Condition Assessment and Rehabilitation (formerly Shoal Lake Aqueduct Asset Preservation)	2-142	**200**	**520**	**2,000**	**1,030**	**1,650**	**3,700**	**9,100**
Shoal Lake Aqueduct Intake Facility Rehabilitation	2-143		**2,050**	**5,450**		**4,265**	**585**	**12,350**
Branch Aqueduct Condition Assessment and Rehabiliation (formerly Aqueduct Condition Assessment and Rehabilitation)	2-144	**1,000**			**1,000**		**1,000**	**3,000**
Tache Booster Pumping Station	2-145		**1,000**			**1,300**	**685**	**2,985**
Pumping Stations and Reservoirs Structural Upgrades	2-146	**800**						**800**
Chlorination Upgrading at Pumping Stations	2-147		**3,575**					**3,575**
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	2-148	**2,690**						**2,690**
Waterworks System Security Upgrades	2-149	**500**						**500**
Regulatory Assessment of Water System Infrastructure and Supply	2-150		**575**					**575**
Deacon Reservoir Cell Rehabilitation	2-151						**100**	**100**
Deacon Booster Pumping Station Suction Header Divider Wall and Valve	2-152			**350**	**985**			**1,335**
Deacon Site Flood Protection	2-153	**1,850**						**1,850**
HVAC Upgrades at Pumping Stations	2-154	**4,090**						**4,090**
Ultraviolet Light Disinfection System Upgrade	2-155	**855**	**1,735**					**2,590**
Discharge Meter Upgrades at the In-town Pumping Stations	2-156		**3,950**					**3,950**
Water Treatment Plant Asset Refurbishment and Replacement Program	2-157	**470**	**5,530**					**6,000**
Pumping Stations Reliability Upgrades	2-158		**200**					**200**
Study of Backup Power Supply for the Hurst Pumping Station	2-159		**425**					**425**
Feeder Main Condition Assessment and Rehabilitation	2-160	**3,550**	**200**	**500**	**200**	**1,150**	**1,860**	**7,460**
Water Meter Renewals	2-161	**450**					**16,000**	**16,450**
Water Main Renewals	2-162	**17,500**	**18,000**	**18,500**	**19,000**	**20,000**	**20,500**	**113,500**
Customer Billing and Work Management Systems Upgrades Program	2-163	**1,045**	**2,200**	**350**	**550**	**750**	**600**	**5,495**
Application and Data Integration	2-164	**250**	**250**	**350**	**400**	**565**	**515**	**2,330**
Digital Enablement for Plant and Field Employees	2-165	**1,300**	**750**	**750**	**750**	**500**	**500**	**4,550**
Laboratory Information Management System Upgrade and Enhancement	2-166	**1,050**						**1,050**
Total Water		**37,600**	**40,960**	**28,250**	**23,915**	**30,180**	**46,045**	**206,950**

CAPITAL PROJECT SUMMARY ***SERVICE BASED VIEW*** *(in Thousands of $)*	**DETAIL PAGE NO.**	**PRELIMINARY CAPITAL** **BUDGET 2020**	**FORECAST** **2021**	**2022**	**2023**	**2024**	**2025**	**6 YEAR TOTAL**
Wastewater								
Water and Waste - Sewage Disposal System								
Sludge Drying Beds Decommissioning	2-167					**375**		**375**
Process Control System Master Plan and Upgrade	2-168		**3,000**			**7,000**		**10,000**
Asset Refurbishment and Replacement Program	2-169	**6,000**	**5,000**	**2,000**	**5,000**	**5,000**	**5,000**	**28,000**
West End Sewage Treatment Plant (WEWPCC) - Facilities Plan	2-170		**500**					**500**
Arc Flash Hazard Analysis and Remediation	2-171	**385**	**320**	**270**				**975**
D'Arcy Lift Station Load Shedding Upgrade	2-172		**400**					**400**
Lift Stations Upgrading	2-173	**2,925**	**6,250**	**6,250**	**3,250**	**6,500**	**7,000**	**32,175**
River Crossings Monitoring and Rehabilitation	2-174	**6,200**	**950**	**1,700**	**600**		**5,000**	**14,450**
Combined Sewer Overflow and Basement Flood Management Strategy	2-175	**31,610**	**23,110**	**29,120**	**30,000**	**32,000**	**34,160**	**180,000**
Comminutor Chamber Rehabilitation Program	2-176	**1,300**						**1,300**
Southwest Interceptor River Crossing	2-177					**5,000**	**35,000**	**40,000**
Wastewater Services Facilities Plan	2-178	**350**						**350**
Environmental Standards Laboratory Facility Plan	2-179					**530**		**530**
Sewer Renewals	2-180	**17,000**	**17,500**	**18,000**	**18,500**	**21,000**	**21,000**	**113,000**
Departmental Levels of Service Framework	2-181	**200**						**200**
Water and Waste Department (WWD) Business Intelligence	2-182	**1,050**	**1,550**	**300**	**300**	**1,100**	**550**	**4,850**
Customer Billing and Work Management Systems Upgrades Program	2-183	**1,045**	**2,200**	**350**	**550**	**750**	**600**	**5,495**
Digital Customer Solutions	2-184	**500**	**500**	**350**	**350**	**715**	**715**	**3,130**
WWD Document Management System	2-185	**500**	**250**	**250**				**1,000**
WWD Learning Management System	2-186					**565**		**565**
Total Wastewater		**69,065**	**61,530**	**58,590**	**58,550**	**80,535**	**109,025**	**437,295**
Land Drainage and Flood Control								
Planning, Property and Development								
Riverbank Stabilization - Physical Asset Protection	2-99	**2,141**	**100**					**2,241**
Water and Waste - Land Drainage Utility								
Flood Pumping Station Rehabilitation	2-195	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**6,000**
Land Drainage Sewers - Regional / Local Streets	2-196					**100**	**100**	**200**
Land Drainage and Combined Sewers Outfall Gate Structures	2-197	**2,680**						**2,680**
Stormwater Retention Basin Upgrades (formerly Stormwater Retention Basin Revetments)	2-198		**430**			**485**		**915**
Outfall Rehabilitation	2-199	**2,000**	**2,000**	**4,000**	**3,500**	**3,500**	**4,000**	**19,000**
Development Agreement Paybacks	2-200		**1,040**	**700**	**1,000**	**1,700**	**500**	**4,940**
Total Land Drainage and Flood Control		**7,821**	**4,570**	**5,700**	**5,500**	**6,785**	**5,600**	**35,976**

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CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
Solid Waste Collection and Disposal								
Water and Waste - Solid Waste Disposal System								
Brady Road Resource Management Facility - Cell Construction	2-187	**700**	**1,200**	**750**	**1,300**	**500**		**4,450**
Brady Road Resource Management Facility - Site Improvements	2-188		**200**					**200**
Brady Road Resource Management Facility - Alternative Energy Project	2-189			**2,500**				**2,500**
Closed Landfill Site Improvement	2-190	**970**	**100**	**100**	**100**			**1,270**
Soil Fabrication for Landfill Cover	2-191		**1,250**	**1,300**	**1,300**	**1,350**	**1,400**	**6,600**
Collection Management System	2-194			**250**				**250**
Total Solid Waste Disposal		**1,670**	**2,750**	**4,900**	**2,700**	**1,850**	**1,400**	**15,270**
Recycling and Waste Diversion								
Water and Waste - Solid Waste Disposal System								
Comprehensive Integrated Waste Management Strategy (CIWMS) - Review	2-192				**450**			**450**
Source Separated Organics - First charge against the 2020 Capital Budget of up to $1.8 million (Council December 12, 2019)	2-193	**1,800**						**1,800**
Total Recycling and Waste Diversion		**1,800**			**450**			**2,250**
TOTAL WATER AND WASTE, RIVERBANK MANAGEMENT AND THE ENVIRONMENT		**117,956**	**109,810**	**97,440**	**91,115**	**119,350**	**162,070**	**697,741**
PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT								
Neighbourhood Revitalization								
Community Services								
Community Incentive Grant Program (CIGP)	2-57	**1,000**	**1,000**	**1,000**				**3,000**
Total Neighbourhood Revitalization		**1,000**	**1,000**	**1,000**				**3,000**
Development Approvals, Building Permits and Inspections								
Planning, Property and Development								
Digital Permitting	2-102	**1,215**	**1,947**	**1,019**				**4,181**
Total Development Approvals, Building Permits and Inspections		**1,215**	**1,947**	**1,019**				**4,181**
Heritage Conservation								
City Clerks								
Corporate Records Centre	2-110			**100**				**100**
Total Heritage Conservation				**100**				**100**

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
Property Asset Management - Tax Supported								
Planning, Property and Development								
Computer Automation	2-92	**106**	**100**			**100**		**306**
Total Property Asset Management - Tax Supported		**106**	**100**			**100**		**306**
Property Asset Management - Municipal Accommodations								
Municipal Accommodations								
Strategic Facilities Master Plan	2-106	**450**	**250**					**700**
Carlton Walkways	2-107	**2,344**						**2,344**
Health/Life Safety/Emergency Systems Refurbishment/City-wide Accessibility	2-108	**1,813**	**3,273**	**931**	**1,333**	**2,660**	**943**	**10,953**
Total Property Asset Management - Municipal Accommodations		**4,607**	**3,523**	**931**	**1,333**	**2,660**	**943**	**13,997**
Cemeteries								
Planning, Property and Development								
Cemeteries - Improvements	2-93	**1,048**	**936**	**150**				**2,134**
Total Cemeteries		**1,048**	**936**	**150**				**2,134**
TOTAL PROPERTY AND DEVELOPMENT, HERITAGE AND DOWNTOWN DEVELOPMENT		**7,976**	**7,506**	**3,200**	**1,333**	**2,760**	**943**	**23,718**

Appendix 1

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD								
Police Response								
Winnipeg Police Service								
Evidence Archival Building - Tenant Improvement	2-61	**500**						**500**
Technology Upgrades - Information Systems	2-62					**1,325**	**112**	**1,437**
North Station Information Technology Requirements	2-63		**190**					**190**
In Car Computing	2-64	**500**					**1,736**	**2,236**
Evidence Archive Building - Racking System	2-65	**841**						**841**
North District Station - Furniture, Fixtures, and Equipment	2-66		**700**					**700**
Computer Assisted Dispatch Upgrade	2-67	**325**			**375**			**700**
Next Generation 911	2-68	**800**	**1,000**					**1,800**
Automated Fingerprint Identification System (AFIS)	2-69		**500**					**500**
Police Headquarters Information System Upgrades	2-70		**2,100**					**2,100**
Schedule and Management System Upgrade	2-71		**500**					**500**
Technological Crime Infrastructure	2-72					**380**		**380**
Building Security System Evergreening	2-73				**159**			**159**
Flight Operations Overhaul	2-74			**602**				**602**
Flight Operations - Forward Looking Infra-Red (FLIR) Equipment	2-75			**792**				**792**
Technical Surveillance Systems	2-76			**400**				**400**
Communication Sites Upgrade - Audio Loggers	2-77			**1,453**				**1,453**
Call Answer Software	2-78				**1,000**			**1,000**
Communication Sites - Radio Consoles/Batteries	2-79					**575**		**575**
E-ticketing Hardware	2-80					**375**		**375**
Indoor Firing Range	2-81				**150**			**150**
Active Shooter Response Training Facility	2-82				**150**			**150**
Vehicle Inspections - Weigh Scale	2-83						**250**	**250**
Police Vehicle Operations - Facility	2-84			**1,800**	**1,200**			**3,000**
Total Police Response		**2,966**	**4,990**	**5,047**	**3,034**	**2,655**	**2,098**	**20,790**
Fire and Rescue Response								
Fire Paramedic Service								
Facility Optimization - St. Boniface Industrial Area and Windsor Park Station Consolidation	2-85			**13,439**				**13,439**
Facility Optimization - Waverley West Station	2-86	**1,192**			**10,927**			**12,119**
Station Capital Maintenance	2-89	**4,581**	**1,371**	**101**	**601**	**651**	**481**	**7,786**
Total Fire and Rescue Response		**5,773**	**1,371**	**13,540**	**11,528**	**651**	**481**	**33,344**

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
Medical Response								
Fire Paramedic Service								
Equipment Obsolescence	2-87	**5,232**	**1,043**	**3,852**	**841**	**1,017**	**1,138**	**13,123**
Emergency Medical Services (EMS) Training Equipment	2-91	**107**						**107**
Total Medical Response		**5,339**	**1,043**	**3,852**	**841**	**1,017**	**1,138**	**13,230**
Recreation								
Community Services								
Recreational Facility Safety, Security and Accessibility Improvements Program	2-48		**235**	**130**	**150**	**279**	**190**	**984**
Fitness Equipment Upgrade Program	2-49	**285**	**300**	**295**	**310**	**320**	**330**	**1,840**
St. James Civic Centre - Facility Renewal (formerly St. James Civic Centre - Facility Renewal and Expansion) - First charge against the 2020 Capital Budget of up to $3.7 million (Council October 24, 2019)	2-50	**3,700**						**3,700**
St. James Community Recreation Amenities	2-51	**1,400**						**1,400**
East of the Red RecPlex	2-52						**1,000**	**1,000**
Repair and Renovation of Pan Am Pool Universal Change Rooms	2-53		**940**					**940**
Boni-Vital Pool	2-54		**5,360**					**5,360**
Technology Advancement Program	2-55		**100**			**310**		**410**
Community Centre Renovation Grant Program (CCRGP)	2-56	**2,000**	**2,000**	**2,000**	**2,000**	**965**	**965**	**9,930**
Planning, Property and Development								
Golf Lands Repurposing Review and Recreation Amenities (formerly Golf Course Amenities)	2-101	**1,000**						**1,000**
Municipal Accommodations								
Transcona Centennial Pool	2-103	**100**						**100**
Total Recreation		**8,485**	**8,935**	**2,425**	**2,460**	**1,874**	**2,485**	**26,664**

Appendix 1

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
Parks and Urban Forestry								
Public Works								
Reforestation - Improvements	2-37	**383**	**383**	**383**	**383**	**383**	**383**	**2,298**
Regional Parks	2-38		**1,175**		**1,464**			**2,639**
Parks Buildings	2-39		**3,020**					**3,020**
Parks and Recreation Enhancement Program	2-40	**2,553**	**2,100**	**1,890**	**1,731**	**300**	**300**	**8,874**
Rainbow Stage	2-42		**1,500**	**1,500**				**3,000**
Urban Forest Enhancement Program	2-43	**6,159**	**5,800**	**5,800**	**5,800**	**1,362**	**3,630**	**28,551**
Planning, Property and Development								
Developer Payback	2-98		**137**	**100**				**237**
Total Parks and Urban Forestry		**9,095**	**14,115**	**9,673**	**9,378**	**2,045**	**4,313**	**48,619**
Libraries								
Community Services								
Library Facility Safety, Security and Accessibility Improvements Program	2-44		**150**	**100**		**200**		**450**
Library Refurbishment & Interior Infrastructure Program	2-45		**150**			**650**		**800**
Library Technology Upgrade and Replacement Program	2-46	**183**			**325**		**350**	**858**
West Kildonan GoLibrary	2-47	**242**						**242**
Millennium Library Community Connections Space	2-59	**236**						**236**
Total Libraries		**661**	**300**	**100**	**325**	**850**	**350**	**2,586**
Arts, Entertainment and Culture								
Community Services								
Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability	2-58	**4,600**	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**14,600**
Planning, Property and Development								
Public Art Strategy	2-97	**200**						**200**
Total Arts, Entertainment and Culture		**4,800**	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**14,800**
TOTAL PROTECTION, COMMUNITY SERVICES AND PARKS / WINNIPEG POLICE BOARD		**37,119**	**32,754**	**36,637**	**29,566**	**11,092**	**12,865**	**160,033**

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		BUDGET	FORECAST					6 YEAR
		2020	2021	2022	2023	2024	2025	TOTAL
INNOVATION AND ECONOMIC DEVELOPMENT								
Fleet Management Agency (SOA)								
Winnipeg Fleet Management Agency								
Shop Tools & Equipment Upgrades	2-201	**255**	**265**	**245**	**255**	**255**	**255**	**1,530**
Power Tools	2-202	**125**	**125**	**125**	**125**	**125**	**125**	**750**
Fuel Site Upgrades and Improvements	2-203	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Building Renovations	2-204	**214**	**160**	**225**	**190**	**197**	**197**	**1,183**
Fleet Asset Acquisitions	2-205	**15,178**	**15,670**	**15,670**	**15,670**	**15,670**	**15,670**	**93,528**
Fleet Software Application	2-206		**929**					**929**
Total Fleet Management Agency (SOA)		**15,972**	**17,349**	**16,465**	**16,440**	**16,447**	**16,447**	**99,120**
Parking Authority (SOA)								
Winnipeg Parking Authority								
Automated License Plate Recognition (ALPR) Program	2-207	**178**	**126**	**172**	**137**	**238**	**149**	**1,000**
Parking Access & Revenue Control System	2-208	**373**						**373**
Enhanced Security - Millennium Library Parkade	2-209	**100**						**100**
Total Parking Authority (SOA)		**651**	**126**	**172**	**137**	**238**	**149**	**1,473**
Innovation, Transformation and Technology								
Innovation, Transformation and Technology								
Innovation Strategy	2-113	**1,360**	**750**	**500**	**250**			**2,860**
Smart Cities Innovation Program	2-115	**1,000**	**750**	**500**	**250**			**2,500**
Enterprise Computing Initiatives	2-117	**1,962**	**2,091**	**1,172**	**1,103**	**574**	**1,956**	**8,858**
Communications Network Infrastructure	2-118	**385**	**395**	**1,184**	**923**	**476**	**447**	**3,810**
Printing Graphics & Mail Services Asset Renewal	2-119		**350**					**350**
Information Security Initiatives	2-120	**136**	**194**	**140**	**144**	**199**	**776**	**1,589**
Microsoft Office License Evergreen	2-121	**711**		**633**		**802**		**2,146**
Enterprise Content Management	2-122	**1,100**						**1,100**
Microsoft Development Network Software Renewal	2-123			**231**			**253**	**484**
Geographic Information System Aerial Image Renewal Program	2-124		**161**				**187**	**348**
Corporate VoIP Phone System	2-125		**160**					**160**
Intake Program	2-126	**122**	**100**	**100**	**100**	**100**		**522**
Total Innovation, Transformation and Technology		**6,776**	**4,951**	**4,460**	**2,770**	**2,151**	**3,619**	**24,727**
TOTAL INNOVATION AND ECONOMIC DEVELOPMENT		**23,399**	**22,426**	**21,097**	**19,347**	**18,836**	**20,215**	**125,320**

CAPITAL PROJECT SUMMARY *SERVICE BASED VIEW* *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL BUDGET 2020	FORECAST 2021	2022	2023	2024	2025	6 YEAR TOTAL
EXECUTIVE POLICY								
Assessment, Taxation and Corporate								
Assessment and Taxation								
Assessment Automation	2-128		237	312		250	312	1,111
Total Assessment, Taxation and Corporate			237	312		250	312	1,111
Contact Centre - 311								
Customer Service and Communications								
311 Renewal	2-127	122	100		100			322
Total Contact Centre - 311		122	100		100			322
Council Services								
City Clerks								
Election Systems	2-111		100	110			100	310
Audio / Video Equipment Replacement	2-112				100			100
Total Council Services			100	110	100		100	410
TOTAL EXECUTIVE POLICY		122	437	422	200	250	412	1,843
TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW		369,569	362,334	362,789	329,567	337,182	390,817	2,152,258

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Appendix 2

City of Winnipeg
Cost Estimate Classification*

Cost Estimate Class	Project Definition	Project Definition/ Design % Complete	Accuracy of Cost Estimate
Class 5	Concept Screening, Rough Order of Magnitude Estimate	~1%	-50% to +100%
Class 4	Feasibility	~10%	-30% to +60%
Class 3	**Preliminary Design (for Budget Authorization)**	**~30%**	**-20% to +30%**
Class 2	Detailed Design in progress	~60%	-15% to +20%
Class 1	Detailed Design Documentation Complete, Pre-Tender Estimate	~99%	-10% to +15%
Scalable	Project/Program scope can be adjusted to fit the Budget	N/A	N/A

Cost Estimate Class Descriptions

Class 5	Rough estimate prepared based on very limited information. Used to make an assessment of initial viability and for long range capital planning.
Class 4	Estimates prepared based on limited information with some engineering work completed and preliminary scope determination.
Class 3**	**Estimates based on completed preliminary design documentation. This Class 3 estimate will form the basis for budget authorization and set initial control estimate against which project deliverables will be measured (i.e. on budget).**
Class 2	Estimates prepared in progressive detail from a Class 3 and are used to establish a contract value against which decisions can be made to revise the scope of the project and manage risk at a specific milestone in the design development.
Class 1	Pre-tender estimates prepared based on completed detailed design documentation (i.e. drawings, plans, specifications, etc.) as well as complete project delivery plans.
Scalable	Scalable projects/programs will be sized according to the final budget authorization.

* Determined using the AACE International, Recommended Practices 17R-97, 18R-97, 56R-08, 97R-18 & 98R-18

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Public Private Partnership Payments as a Percentage of Cash to Capital / Gas Tax

(In thousands of dollars)	2019	2020	2021	2022	2023	2024	2025
Tax Supported Public Private Partnership Payments:							
1 Charleswood Bridge	$ 1,478	$ 1,478	$ 1,478	$ 1,478	$ 1,478	$ 1,478	
2 Disraeli Bridge and Overpass Facility	14,780	13,117	13,170	13,225	13,325	13,337	13,395
3 Chief Peguis Trail - Henderson to Lagimodiere	7,263	7,293	7,337	7,382	7,429	7,476	7,525
4 East District Police Station	1,056	1,056	1,056	1,056	1,089	1,155	1,155
Total Public Private Partnership Payments	**$ 24,577**	**$ 22,944**	**$ 23,041**	**$ 23,141**	**$ 23,321**	**$ 23,446**	**$ 22,075**
Financing Sources:							
1 Cash to Capital	$ 21,260	$ 22,721	$ 22,889	$ 21,408	$ 21,500	$ 20,000	$ 20,000
2 Federal Gas Tax	58,682	53,958	52,889	49,988	50,415	48,440	48,420
Total Cash to Capital and Gas Tax	**$ 79,942**	**$ 76,679**	**$ 75,778**	**$ 71,396**	**$ 71,915**	**$ 68,440**	**$ 68,420**
Payments as a Percentage of Cash to Capital and Gas Tax	**30.74%**	**29.92%**	**30.41%**	**32.41%**	**32.43%**	**34.26%**	**32.26%**

Notes:

1. Public Private Partnership Payments include annual service/financing payments and debt servicing payments.

2. On December 15, 2009, Council adopted that the annual lease/service payments and debt servicing costs for tax supported public private partnerships be funded annually up to a maximum of 30% of the cash to capital contribution and the federal gas tax. Except for 2020, the 30% tax supported limit has been exceeded. This is attributable to the reductions to cash to capital, which decrease the base for the calculation. No further public private partnerships will be authorized until payments fall within the 30% limit.

3 The "Southwest Rapid Transitway (Stage 2) and Pembina Highway Underpass" capital project was approved by Council on June 25, 2014. As this is a Utility and Other project, it does not impact this Public Private Partnership Payments calculation.

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Appendix 4

Transfers from Other Capital Accounts / Surplus Capital

Source (From)		Capital Project (To)	2020	2021	2022	2023	2024	2025
	($000's)		($000's)					
TAX SUPPORTED, TRANSIT AND MUNICIPAL ACCOMMODATIONS								
Corporate								
Corporate Non-Specified Capital Account	3,675	Pedestrian and Cycling Program	1,807					
		Urban Forest Enhancement Program	1,868					
Public Works								
2011 New Regional Sidewalks	27	Pedestrian and Cycling Program	128					
2011 Active Transportation Corridor	101							
	128							
2016 Land Acquisition - Transportation Right of Way	230	Land Acquisition - Transportation Right of Way	230					
Regional and Local Street Renewal - Prior Year Surplus	2,000	Regional and Local Street Renewal	2,000					
Community Services								
2017 Library Facility - New South Winnipeg	116	Library Facility Safety, Security and Accessibility Improvements Program					200	
2019 Library Facility Redevelopment - West Kildonan Library and GoLibrary - Old Kildonan Community	242	Library Refurbishment & Interior Infrastructure Program					351	
2019 Grant Park Recreation Campus	1,546	Library Technology Upgrade and Replacement Program	116					
		Recreational Facility Safety, Security and Accessibility Improvements		112	130		171	
		Fitness Equipment Upgrade				132	65	
		Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability				317	310	
	1,904							
Property Planning and Development								
2017 Riverbank Greenway Programs	95	Riverbank Stabilization - Physical Asset Protection	1,641					
2016 Riverbank Stabilization - Physical Asset Protection	1,546							
	1,641							
Municipal Accommodations								
2013 Transcona Centennial Pool	100	Transcona Centennial Pool	100					
City Clerks		Innovation, Tranformation and Technology						
2016 - 2018 Innovation Capital Fund	360	Innovation Strategy	360					
Innovation, Transformation and Technology								
2015 - 2018 Enterprise Content Management	1,522	Enterprise Computing Initiatives						775
2016 - 2019 Enterprise Computing Initiatives	937	Communication Network Infrastructure		94	998	680		447
2019 Tait Radio Replacement	1,602	Printing Graphics & Mail Services Asset Renewal		350				
2018 - 2019 Innovation Strategy	1,382	Information Security Initiatives		194	140	144	199	776
2017 - 2019 PeopleSoft Enhancements	984	Microsoft Office License Evergreen			633		559	
2019 E-mail Archiving	453	Microsoft Development Network Software Renewal			231			253
2019 Information Security	340	Geographic Information System Aerial Imagery Renewal Program		161				187
2019 CSB Facilities	173	Corporate VoIP Phone System		160				
		Intake Program	11	100	100	100	100	
	7,393							
Sub-total Tax Supported, Transit and Municipal Accommodations			**8,261**	**1,171**	**2,232**	**1,373**	**1,955**	**2,438**

Appendix 4

Transfers from Other Capital Accounts / Surplus Capital

Source (From)		Capital Project (To)	2020	2021	2022	2023	2024	2025
	($000's)		($000's)					
WATER AND WASTE UTILITIES								
Sewage Disposal System								
2016 Sewer Renewals	1,292	Sewer Renewals	10,000					
2017 Sewer Renewals	4,903							
2018 Sewer Renewals	3,805							
	10,000							
Water								
2017 Aqueduct Condition Assessment and Rehabilitation	1,000	Branch Aqueduct Condition Assessment and Rehabilitation (formerly Aqueduct Condition Assessment and Rehabilitation)	1,000					
2017 Deacon Site Flood Protection	1,825	Deacon Site Flood Protection	1,825					
2017 Ultraviolet Light Disinfection System Upgrade	855	Ultraviolet Light Disinfection System Upgrade	855					
Land Drainage								
2017 Flood Pumping Station Rehabilitation	500	Flood Pumping Station Rehabilitation	500					
Total Water and Waste Utilities			**$ 14,180**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Total City Surplus Capital			**$ 22,441**	**$ 1,171**	**$ 2,232**	**$ 1,373**	**$ 1,955**	**$ 2,438**

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Appendix 5a

Transfer to Capital Reconciliation

Departments	2019 Adopted Budget	2020 Preliminary Budget	Variance	2021 Forecast	2022 Forecast	2023 Forecast
Public Works	$ 5,481,000	$ 9,334,000	$ 3,853,000	$ 6,045,000	$ 4,962,000	$ 3,748,000
Community Services	3,934,000	3,600,000	(334,000)			1,955,000
Winnipeg Police Service	2,900,000	1,625,000	(1,275,000)	4,990,000	5,047,000	3,034,000
Fire Paramedic Service			-			
Planning, Property and Development	1,120,000	2,406,000	1,286,000	573,000	326,000	228,000
City Clerks			-	100,000	210,000	100,000
Innovation, Transformation and Technology		1,660,000	1,660,000	1,190,000	1,358,000	1,346,000
Customer Service and Communications		122,000	122,000	100,000		100,000
Assessment and Taxation	530,000		(530,000)	237,000	412,000	
Total tax supported	**$ 13,965,000**	**$ 18,747,000**	**$ 4,782,000**	**$ 13,235,000**	**$ 12,315,000**	**$ 10,511,000**
Transit	5,039,000	2,805,000	(2,234,000)	7,476,000	7,206,000	9,213,000
Municipal Accommodations	2,256,000	1,169,000	(1,087,000)	2,178,000	1,887,000	1,776,000
Total City Transfer to Capital	**$ 21,260,000**	**$ 22,721,000**	**$ 1,461,000**	**$ 22,889,000**	**$ 21,408,000**	**$ 21,500,000**
Corporate - Savings from capital closure	(2,524,798)		2,524,798			
TOTAL	**$ 18,735,202**	**$ 22,721,000**	**$ 3,985,798**	**$ 22,889,000**	**$ 21,408,000**	**$ 21,500,000**

Notes:

1. Public Works transfer to capital excludes transfers to the regional and local streets reserves (2019 - $66.240 million and 2020 - $78.040 million) and transfer to capital - frontage levy of $10 million.

2. Year over year Total City Transfer to Capital change:

Tax Supported:	
a) Transfer to capital increase	4,782,000
b) Corporate - difference in savings from capital closure	2,524,798
Total Tax Supported	7,306,798
Utility - transfer to capital year over year change:	
Transit	(2,234,000)
Municipal Accommodations	(1,087,000)
Total City Transfer to Capital change	**3,985,798**

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Cash to Capital Surpluses - 2019 Capital Review
Tax Supported Summary

	2019
Total for tax supported departments	
Balance prior to cash to capital surpluses from 2019 capital review	$ 23,795
Cash to capital surpluses from 2019 capital review (see detailed list on the following pages)	3,675,777
Total Cash to Capital Surpluses after 2019 Capital Review	**$ 3,699,572**
Use of Cash to Capital Surpluses	
Amount to be utilized in the 2020 capital budget	1,868,777
Amount retained in Corporate non-specified capital account (see note below)	23,795
Amount to be utilized to reduce transfer to General Capital Fund	1,807,000
Total	**$ 3,699,572**

Note: Amount retained in Corporate non-specified capital account may be reallocated to capital authorization(s) as required, with approval of the Chief Financial Officer, subject to the reallocation being the lesser of $100,000 or 25% of the base capital budget.

Cash to Capital - 2019 Capital Review
List of Project Net Surpluses Closed
Tax Supported Departments

Project Name	Project Year	Net Surplus
Public Works		
CPR Yards Functional Crossing Study	2013	$ 3,568
Chief Peguis Trail - Main Street to Route 90	2014	141,398
Transportation Management Centre (TMC)	2015	310,080
Transportation Master Plan	2015	29,256
Insect Control - Replace 3 Grey Street Operations Building	2015	25,410
Off Leash Dog Park Master Plan	2016	4,463
Work Management / Asset Management Systems Study	2017	759,000
Kenaston Boulevard Southbound - From McGillivray To Bishop Grandin	2017	750,000
Boat Docks & Launches	2017	150,000
Disraeli Bridge and Overpass Facility	2017	73,035
Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard	2017	60,000
SMIR-Dutch Elm Disease	2017	5,000
Disraeli Bridge and Overpass Facility	2018	484,469
Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard	2018	83,206
SMIR-Ash Tree Ring (EAB)	2018	3,687
SMIR-Dutch Elm Disease	2018	498
MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects *		(287,079)
Total Public Works		**2,595,991**
Municipal Accommodations & Planning, Property and Development		
Pan Am Pool - Boiler System Replacement	2014	16,642
Building Asset / Work Management Program	2016	47,026
Riverbank Greenway Programs	2016	2
Historic Buildings	2017	128,724
General Building Renovation and Refurbishing	2017	125,815
Downtown Enhancement Program	2017	16,507
Community Facilities	2017	10,447
MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects *		(1,648,307)
Total Municipal Accommodations & Planning, Property and Development		**(1,303,145)**

Appendix 5b

Cash to Capital - 2019 Capital Review
List of Project Net Surpluses Closed
Tax Supported Departments

Project Name	Project Year	Net Surplus
Community Services		
Library Facility Redevelopment - New Infrastructure --St. Vital	2013	74,682
Library Facility Redevelopment - New Infrastructure -Windsor Park	2013	27,439
Recreation Facility Replacement - New Infrastructure	2014	2,472
Library Refurbishment and Redevelopment Program - Existing Infrastructure	2016	14,045
Recreational Facility Safety, Security and Accessibility Improvements Program	2016	12,996
Library Facility Safety, Security and Accessibility Improvements Program	2016	5,644
Library Technology Upgrade and Replacement Program	2016	3
Business Application Systems	2017	31,030
New Library Facility - South Winnipeg Library (formerly Waverley West Library)	2017	300
MWIA (Manitoba Winnipeg Infrastructure Agreement) cash to capital investment for closed projects *		(9,350)
Total Community Services		**159,262**
Winnipeg Police Service		
Police Headquarters Building Systems Safeguards	2016	82,726
Police Headquarters Building Systems Safeguards	2017	27,595
Mobile and Transient Users	2016	277
Computer Assisted Dispatch Upgrade	2017	12
Total Winnipeg Police Service		**110,611**
Fire Paramedic Service		
Facilities Optimization (formerly Facilities Replacement, Relocation and Enhancement Program) Standards of Coverage	2016	421
Facilities Optimization -Station 9	2017	464,000
Facilities Optimization-Station 9	2018	550,000
Station Capital Maintenance-Station 2	2018	5,039
Station Capital Maintenance	2019	793,000
Total Fire Paramedic Service		**1,812,461**

Cash to Capital - 2019 Capital Review
List of Project Net Surpluses Closed
Tax Supported Departments

Project Name	Project Year	Net Surplus
Innovation, Transformation and Technology		
Enterprise Computing Initiatives	2016	29,418
Communications Network Infrastructure	2017	490
Infrastructure Service Enhancements	2017	15,673
Total Innovation, Transformation and Technology		**45,581**
Assessment and Taxation (Local Improvements)		
Point Hebert-20.5 feet wide grass boulevard on the west side of Rue St. Joseph	2014	2,000
Point Hebert-Boulevard Trees on Rue Messager from Ave Tache to Rue St. Joseph	2014	2,400
2015 Local Improvements - Ongoing Program	2015	6,445
Poplarwood Avenue / St. Mary's Road Asphaltic Concrete Lane Pavement 16 x 5 & 18 x 5	2015	360
Poplarwood Avenue / St. David Road Asphaltic Concrete Lane Pavement 16 x 5 & 18 x 5	2015	1
Lennox Avenue-Asphaltic Concrete Lane Pavement 16 x 5	2015	1
Stanmillis Avenue Asphaltic Concrete Lane Pavement 14 x 5	2015	34,000
Kitson St Asphaltic Concrete Lane Pavement 16 x 5	2015	19,045
Wingham Ave Asphaltic Concrete Lane Pavement 14 x 5	2015	9,165
2017 Local Improvements - Ongoing Program	2017	181,600
Total Assessment and Taxation (Local Improvements)		**255,017**
Net cash to capital surpluses from 2019 capital review - tax supported departments		**$ 3,675,777**

* From analysis undertaken for Provincial MWIA (Manitoba Winnipeg Infrastructure Agreement) reallocation, additional cash to capital required.

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Appendix 6

Active Transportation Projects
2020 Preliminary Compared To 2019 Adopted Capital Budget

	2020 PAGE NO.	2020 PRELIMINARY	2019 ADOPTED	YEAR OVER YEAR CHANGE	CHANGE %
Pedestrian and Cycling Program	2-1	3,622	3,024		
Other Roads/Bridges Projects			2,500		
Developer Payback - Various Locations:	2-6				
Kildare Ave Extension AT Path		235			
Regional Street Renewal Program	2-4		3,750		
Local Street Renewal Program	2-23	500	500		
TOTAL		**4,357**	**9,774**	**(5,417)**	**-55%**

Notes:

1. Total 6-year investment for Active Transportation:

Pedestrian and Cycling	2-1	$ 12,048	$ 13,389
Other Roads/Bridges Projects			2,500
Developer Payback - Kildare Ave Extension AT Path		235	
Regional Street Renewal	2-4	7,975	3,750
Local Street Renewal	2-23	3,000	3,000
		$ 23,258	$ 22,639

2. There may be other active transportation projects included in the 2020 Preliminary Capital Budget and 2021 - 2025 Five-year Forecast that could not be estimated at time of printing.

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Capital Projects Funded by Federal Gas Tax

	(In thousands of dollars)					
Public Works						
Pedestrian and Cycling Program	2,874	1,600	1,400	1,400	1,400	1,400
Developer Payback - Various Locations	9,500					
Transportation Master Plan	845	115	230			
Inner-Ring Road - Functional Design					551	
Regional and Local Street Renewal	8,314	7,323	12,000	1,885		5,588
Osborne Street Underpass						600
Pembina Highway Overpass (Bishop Grandin) Rehabilitation				500	879	12,379
St. Vital Bridge Rehabilitation				8,969	14,650	
Lagimodiere Twin Overpasses Rehabilitation (Concordia Avenue & CPR Keewatin)			639	1,500	1,500	
Disraeli Bridge and Overpass Facility	12,467	12,822	12,625	12,725	12,737	12,795
Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd	6,043	6,737	6,766	6,829	6,876	6,925
Asset Management System - Various Divisions	25	25	25	25	25	25
Reforestation - Improvements			383	300		
Athletic Fields - Improvements						
Regional Parks		600		1,423		
Parks Buildings		2,642				
Parks and Recreation Enhancement Program	1,089	1,716	1,890	1,450		
Urban Forest Enhancement Program	4,432	5,751	5,800	5,400	573	1,077
Community Services						
Library Facility Safety, Security and Accessibility Improvements Program			100			
Library Refurbishment & Interior Infrastructure Program		150			299	
Library Technology Upgrade and Replacement Program				8		
West Kildonan - GoLibrary	242					
Recreational Facility Safety, Security and Accessibility Improvements Program		73		150	108	
Fitness Equipment Upgrade Program	285	300	295	178	255	4
St. James Civic Centre - Facilities Renewal	1,400					
Repair and Renovation of Pan Am Pool Universal Change Rooms		940				
Boni-Vital Pool		5,360				
Assiniboine Park Conservancy (APC) - Infrastructure and Sustainability			1,000			
Municipal Accommodations						
Health/Life Safety/Emergency Systems Refurbishment/City-Wide Accessibility			100	646	960	
Transit						
Transit Buses	6,442	6,735	6,735	7,027	7,627	7,627
Total Projects Financed by Federal Gas Tax	**53,958**	**52,889**	**49,988**	**50,415**	**48,440**	**48,420**
Federal Gas Tax Funding*	**44,396**	**46,414**	**46,414**	**48,432**	**48,432**	**48,432**
Annual Variance	**9,562**	**6,475**	**3,574**	**1,983**	**8**	**(12)**
Total Variance**	**21,590**					

* Amounts in 2020 - 2023 are based on the Federal Gas Tax Funding (GTF) Allocation - 5 Year Period letter from the Province dated December 27, 2018 outlining funding from 2019 - 2023. Funding for 2024 and 2025 was submitted consistent with 2023 funding levels.

** On July 9, 2019 the City received notification from the Province of Manitoba of a one-time top-up transfer of $44.09 million in Federal Gas Tax funds. $22.5 million was allocated to 2019 projects. The remaining $21.590 million was allocated to projects in the 2020 Capital Budget and Five Year Forecast.

Major Capital Projects

On October 28, 2015 Council concurred in the recommendation of the Executive Policy Committee and adopted the following:

- That an adjustment to the dollar value for the definition of a Major Capital Project for reporting to the Standing Policy Committee on Finance be approved from $10 million to $20 million to reflect construction inflation since Council originally adopted the policy in 1999.
- That the threshold for Major Capital Project reporting to the Standing Policy Committee on Finance be automatically revised annually for construction inflation and disclosed in the Annual Capital Budget put forward to Council for adoption.
- That the adjusted dollar value for reporting to Standing Policy Committee on Finance be applied on a prospective basis. Projects currently reporting that are under the revised threshold will continue reporting until the project is completed.

Year	Threshold (in millions)	Construction Inflation*	Revised Threshold after Inflation (in millions)
2017	$21.7	5%	$22.7
2018	$22.7	3%	$23.4
2019	$23.4	3%	$24.1

*Forecasted construction inflation is used to prepare the threshold for the following year.

Thus, for 2020, projects $24 million or greater are required to form a Major Capital Projects Advisory Committee within 180 calendar days of project authorization and begin reporting financial status to the Standing Policy Committee (SPC) on Finance. Reporting is to be done on a quarterly basis, unless otherwise directed by SPC Finance, until the project is complete. The SPC Finance may, at its discretion, request projects below this threshold to report to the Committee.

Listing of Major Capital Projects previously approved and active for 2020:

1) Automatic Fare Collection System
2) North End Sewage Treatment Plant (NEWPCC) Biological Nutrient Removal Upgrade
3) South End Sewage Treatment Plant (SEWPCC) Upgrading and Expansion
4) Southwest Rapid Transitway (Stage 2) / Pembina Highway Underpass
5) Expansion of Transit Vehicle Overhaul and Maintenance Facilities
6) Water Supervisory Control and Data Acquisition (SCADA) Upgrade and Expansion
7) Waverley Street at CN Mainline (Rivers) Grade Separation
8) North District Police Station (NDPS) & Archival and Exhibit Building
9) Fermor Avenue Bridge (Seine River), Underpass and Roadworks
10) Empress Street – Portage Avenue to St. Matthews Avenue, Pavement Renewals, Overpass Rehabilitation and Associated Works