



CAPITAL BUDGET 2024



**CAPITAL BUDGET 2024
CAPITAL FORECAST FOR 2025 TO 2033
CAPITAL PROJECT INFORMATION SHEETS
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Introduction

Project Classification:

The following Asset Classifications are denoted beside the individual project names on the Capital Budget Summary Sheets:

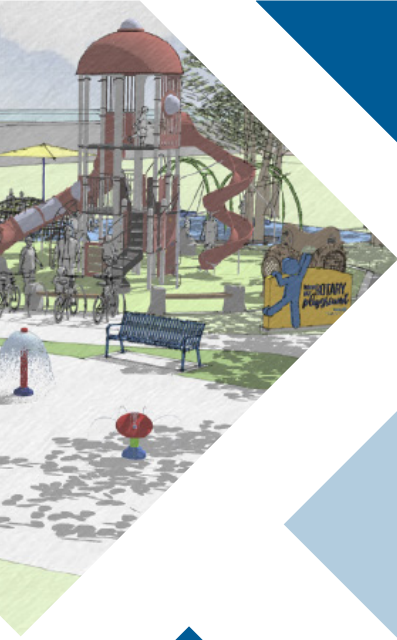
- a. **Asset Improvement and Maintenance (AIM):** These projects address existing capital assets and major repairs, rehabilitation and maintenance to City infrastructure, facilities and equipment. These investments are intended to support expected asset life cycles, replacement of assets that have reached their end of life, and technological upgrades to assist in managing operating costs and improve the delivery of services.
- b. **Strategic Investments (SI):** These projects include those that improve, enhance or expand the level of service offered to the community.
- c. **Growth (G):** Projects that primarily address increased demand for services or are to stimulate growth and development of the City.

It is important to note that it is possible for some projects to be related to more than one of the above categories; however, these projects have been included in the category for which the majority of the project falls.

Project Funding from Other Sources:

Projects that have either reserve and/or third party funding allocated are identified by either an (R) or an (F) beside the project name on the Capital Budget Summary Sheets as follows:

- a. **Reserve Funding (R):** The City has certain reserves that can be used to fund capital projects. Some reserves that are included in the annual budget include Development Charges and Merrick Landfill.
- b. **Grants and Other Funding Sources (F):** Projects included in the capital budget that have associated grants identified are only to proceed if the grant is approved. Otherwise, the project will be cancelled, or funds will be reallocated from other projects with Council approval.



2024 General Capital Budget Summary and Capital Forecast for 2025 to 2033

Schedule A
2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Community Services														
3508PR - Parks and Playgrounds - New Neighbourhood Parks	R	G	-	-	200,000	-	-	196,000	-	-	196,000	-	-	592,000
3509PZ - Official Plan 5 Year Review and Study Update		SI	335,906	-	-	-	-	245,169	-	-	-	-	-	581,075
3702PR - Waterfront Building Rehab and Development		G	-	-	-	-	196,000	1,764,000	-	-	-	-	-	1,960,000
3823FD - Fire Master Plan	R	SI	-	-	-	-	-	-	88,200	-	-	-	-	88,200
3938PR - Olmsted Beach - Boat Launch Replacement		AIM	-	-	-	49,000	-	539,000	-	-	-	-	-	588,000
3942RF - Omischl Sports Complex - Synthetic Turf Replacement		AIM	588,000	-	-	-	588,000	-	-	-	-	-	-	1,176,000
4119RF - Arenas - Memorial Gardens East and West Concourse Roof Replacement		AIM	-	-	-	-	-	25,000	500,000	-	-	-	-	525,000
4122PR - Recreational Feasibility		SI	-	98,000	-	-	-	-	-	-	-	-	-	98,000
4206RF - Pete Palangio Parking Lot Rehab		AIM	-	627,450	-	-	-	-	-	-	-	-	-	627,450
4343PZ - Wayfinding	R,F	G	-	50,000	350,000	-	-	-	-	-	-	-	-	400,000
4346RF - Pete Palangio HVAC/HRB Replacements	R	AIM	-	500,000	-	-	-	-	-	-	-	-	-	500,000
4347RF - Capital Centre & Museum Digital Display Signage	F	AIM	-	-	200,000	200,000	-	-	-	-	-	-	-	400,000
4348PR - Cricket Pitch Construction	F	G	-	140,000	-	2,370,000	-	-	-	-	-	-	-	2,510,000
4349PR - Engine 503 Diesel Static Display and Disposition of FP7A	F	G	-	100,000	900,000	-	-	-	-	-	-	-	-	1,000,000
4350PR - Centennial Parkette	F	AIM	-	200,000	-	-	-	-	-	-	-	-	-	200,000
4351FD - Special SCBA Decontamination Washer		SI	-	45,000	-	-	-	-	-	-	-	-	-	45,000
4510RF - Community and Recreation Centre *	R,F	G	6,517,728	21,073,780	32,408,492	-	-	-	-	-	-	-	-	60,000,000
6768PR - Central City Rehab Program 2024 On-going		AIM	-	84,280	86,240	88,200	90,160	92,120	94,080	94,080	94,080	94,080	94,080	911,400
6780FD - Fire Bunker Gear Replacement Program 2024 On-going		AIM	-	44,000	-	238,000	32,000	40,000	15,000	15,000	150,000	40,000	40,000	614,000
6781FD - Fire Equipment Replacement 2024 On-going		AIM	-	61,740	61,740	61,740	46,305	63,000	63,000	63,000	67,000	67,000	67,000	621,525
6782FD - Fire Facilities Management Program 2024 On-going		AIM	-	72,674	-	97,822	-	102,971	-	102,971	-	102,971	-	479,409
6789RF - Memorial Gardens Rehab 2024 On-going		AIM	-	294,000	220,652	245,169	269,686	294,203	294,203	294,203	294,203	294,203	294,203	2,794,725
6794RF - Omischl Sports Complex Rehab Program 2024 On-going		AIM	-	62,720	64,680	66,640	68,600	70,560	73,500	73,500	73,500	73,500	73,500	700,700

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Community Services														
6797PR - Parks and Playground Rehab Program 2024 On-going		AIM	-	304,780	313,600	322,420	331,240	340,060	352,800	352,800	352,800	352,800	352,800	3,376,100
6798PR - Parks Building Rehab 2024 On-going		AIM	-	102,900	102,900	105,350	105,350	107,800	107,800	112,700	112,700	112,700	112,700	1,082,900
6800PR - Parks Equipment Replacement Program 2024 On-going		AIM	-	51,940	53,900	55,860	57,820	59,780	61,740	61,740	61,740	61,740	61,740	588,000
6801PR - Parks Master Plan 2024 On-going		SI	-	146,000	196,000	196,000	196,000	196,000	196,000	196,000	196,000	196,000	196,000	1,910,000
6803RF - Pete Palangio Rehab Program 2024 On-going		AIM	-	-	200,000	50,000	200,000	250,000	250,000	250,000	250,000	250,000	250,000	1,950,000
6805RF - Recreation Facilities Rehab and Development 2024 On-going		AIM	-	539,000	539,000	539,000	539,000	539,000	539,000	539,000	539,000	539,000	539,000	5,390,000
6817PR - Trail and Supporting Hard Surfaces Rehab 2024 On-going	F	AIM	-	258,720	266,560	284,200	292,040	299,880	308,700	308,700	308,700	308,700	308,700	2,944,900
6827PR - Waterfront Rehab Program 2024 On-going		AIM	-	134,260	138,180	142,100	146,020	149,940	156,800	156,800	156,800	156,800	156,800	1,494,500
Total Community Services			7,441,634	24,991,244	36,301,944	5,111,501	3,158,221	5,374,483	3,100,823	2,620,494	2,852,523	2,649,494	2,546,523	96,148,884
Corporate Services														
4352GG - Mail Machine and Sorter		AIM	-	40,000	-	-	-	-	-	-	-	-	-	40,000
6815GG - System Technology Program 2024 On-going	✓	AIM	-	706,500	542,345	509,173	478,498	412,918	587,435	577,051	599,769	361,591	551,519	5,326,799
Total Corporate Services			-	746,500	542,345	509,173	478,498	412,918	587,435	577,051	599,769	361,591	551,519	5,366,799
General Government														
4335GG - Administration and Overhead	✓	SI	574,229	597,454	612,391	627,700	643,393	659,478	675,965	692,864	710,185	727,940	746,139	7,267,738
4336GG - Asset Management Transition	✓	SI	215,390	274,129	293,386	302,541	309,407	316,748	322,856	331,907	341,795	351,045	358,066	3,417,270
4353GG - Organizational Review Implementation		SI	-	250,000	150,000	155,000	-	-	-	-	-	-	-	555,000
8024FL - Vehicle and Equipment Life Cycle 2024	R,F	AIM	-	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	30,000,000
Total General Government			789,619	4,121,583	4,055,777	4,085,241	3,952,800	3,976,226	3,998,821	4,024,771	4,051,980	4,078,985	4,104,205	41,240,008
Infrastructure & Operations														
3302ST - Trunk Sewer Rehab - Pinewood Fingers Creek		AIM	-	-	-	-	-	-	-	-	-	-	260,000	260,000
3405PK - Parking Property Acquisition Program	R	SI	300,000	300,000	-	-	300,000	-	-	-	294,000	-	-	1,194,000
3506ST - Stormwater Management - Overland Flow Control Study		AIM	-	-	105,000	-	-	-	-	-	-	-	-	105,000
3518PR - King's Landing Commercialization of Waterfront	R,F	SI	756,181	-	-	980,000	4,998,000	4,998,000	4,998,000	-	-	-	-	16,730,181
3700RD - Seymour St. - Station to Wallace - Widening and Signals	R,F	✓	G	176,400	-	3,530,000	-	-	-	-	-	-	-	3,706,400
3700ST - Seymour St. - Station to Wallace - Widening and Signals	F	✓	G	68,600	-	1,500,000	-	-	-	-	-	-	-	1,568,600
3701RD - Norman/Chapais Connection Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	100,000	100,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
3701ST - Norman/Chapais Connection Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	50,000	50,000
3715RD - Pinewood Park & Lakeshore Drive Intersection Reconstruction	R,F	G	600,000	-	4,120,000	-	-	-	-	-	-	-	-	4,720,000
3801RD - McKeown Ave. Widening - Gormanville to Cartier	✓	G	5,640,000	2,485,900	-	-	-	-	-	-	-	-	-	8,125,900
3801ST - McKeown Ave. Widening - Gormanville to Cartier	✓	G	1,082,000	1,340,000	-	-	-	-	-	-	-	-	-	2,422,000
3802RD - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	✓	AIM	-	-	-	-	-	-	-	-	-	-	445,000	445,000
3802ST - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	✓	AIM	-	-	-	-	-	-	-	-	-	-	115,000	115,000
3810RD - Main St. - Gormanville to Memorial	✓	G	-	-	-	-	-	195,000	-	3,770,000	-	-	-	3,965,000
3810ST - Main St. - Gormanville to Memorial	✓	G	-	-	-	-	-	80,000	-	1,490,000	-	-	-	1,570,000
3812RD - Lakeshore Dr. (ONR Overpass)		AIM	-	-	-	-	-	-	-	-	-	35,000	320,000	355,000
3813RD - Trout Lake Rd. (ONR Overpass)		AIM	-	-	-	-	-	-	-	-	-	35,000	320,000	355,000
3818RD - Premier Pumping Station Replacement	✓	AIM	650,000	-	700,000	-	-	-	-	-	-	-	-	1,350,000
3822PK - Parking Strategy for Downtown and Waterfront		SI	76,750	75,000	-	-	-	-	-	-	-	-	-	151,750
3830GD - Merrick Landfill Gas (LFG) Collection Infrastructure	R	G	685,824	-	-	150,000	637,000	-	-	147,000	637,000	-	-	2,256,824
3900RD - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	✓	SI	-	-	-	-	-	-	-	-	-	320,000	-	320,000
3900ST - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	✓	SI	-	-	-	-	-	-	-	-	-	135,000	-	135,000
3908ST - Trunk Sewer Rehab - Eastview Tributary System		AIM	-	-	-	-	-	-	-	-	-	130,000	1,310,000	1,440,000
3909RD - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	✓	AIM	-	-	-	-	-	-	-	-	-	160,000	3,060,000	3,220,000
3909ST - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	✓	AIM	-	-	-	-	-	-	-	-	-	70,000	1,310,000	1,380,000
3910ST - Chippewa Creek and Airport Heights Stormwater Retention		G	50,000	-	-	-	-	3,380,000	-	-	-	-	-	3,430,000
3919RD - Metcalfe St - Laurier to End	✓	AIM	40,000	-	-	-	760,000	-	-	-	-	-	-	800,000
3919ST - Metcalfe St - Laurier to End	✓	AIM	30,000	-	-	-	530,000	-	-	-	-	-	-	560,000
3926GD - Merrick Landfill Lifecycle Extension Environmental Assessment	R	AIM	100,000	-	-	-	490,000	1,568,000	5,782,000	-	-	-	-	7,940,000
3932RD - Lakeshore Dr. - Jessups Creek to Premier Road		AIM	110,000	-	2,790,000	-	-	3,040,000	-	-	-	-	-	5,940,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
3932ST - Lakeshore Dr. - Jessups Creek to Premier Road	✓	AIM	30,000	-	860,000	-	-	940,000	-	-	-	-	-	1,830,000
4005RD - Pinewood Park Drive Widening (Lakeshore Drive to Decaire Road)		G	-	-	-	120,000	-	3,120,000	-	-	-	-	-	3,240,000
4018TR - Transit Fleet Garage and Bus Barn Upgrades: Health and Safety	F	AIM	318,512	63,000	-	-	-	-	-	-	-	-	-	381,512
4020TR - New Bus Shelters and Digital Signage	F	SI	282,240	158,761	-	-	-	-	-	-	-	-	-	441,001
4021TR - Construction of Sidewalks for Transit Routes	F	SI	3,276,710	1,983,491	1,286,650	-	-	-	-	-	-	-	-	6,546,851
4032RD - O'Brien St. Reconstruction - Cassells to Ski Club	✓	AIM	-	-	-	-	-	-	-	-	530,000	10,200,000	-	10,730,000
4032ST - O'Brien St. Reconstruction - Cassells to Ski Club	✓	AIM	-	-	-	-	-	-	-	-	225,000	4,340,000	-	4,565,000
4034RD - Road Condition Inspection		AIM	-	-	255,000	-	-	-	285,000	-	-	-	-	540,000
4101GG - City Hall Accessibility Upgrades		AIM	-	100,000	-	-	830,000	-	-	-	-	-	-	930,000
4102RD - Ellendale Pumping Station Second Feed to Airport	✓	SI	-	-	-	55,000	1,040,000	-	-	-	-	-	-	1,095,000
4106RD - Queen St. Culvert Replacement		AIM	-	-	-	1,070,000	-	-	-	-	-	-	-	1,070,000
4109RD - Trout Lake Rd. & Laurentian Ave. Intersection Reconstruction	F	AIM	-	-	-	-	-	-	-	-	185,000	4,190,000	-	4,375,000
4115PK - Innovation Hub	✓	G	110,000	-	-	1,040,000	-	-	-	-	-	-	-	1,150,000
4115RD - Innovation Hub	✓	G	40,000	-	-	730,000	-	-	-	-	-	-	-	770,000
4115ST - Innovation Hub	✓	G	20,000	-	-	420,000	-	-	-	-	-	-	-	440,000
4124RD - Francis St. Sewer Upsizing (Surrey to Greenhill)	✓	G	-	-	-	-	-	-	135,000	2,550,000	-	-	-	2,685,000
4124ST - Francis St. Sewer Upsizing (Surrey to Greenhill)	✓	G	-	-	-	-	-	-	95,000	1,800,000	-	-	-	1,895,000
4125RD - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	✓	AIM	-	-	-	395,000	-	7,930,000	-	-	-	-	8,325,000
4125ST - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	✓	AIM	-	-	-	100,000	-	1,930,000	-	-	-	-	2,030,000
4201PK - Downtown Parking Facilities		SI	-	-	-	-	-	490,000	3,381,000	-	-	-	-	3,871,000
4203GD - Leachate Management - Future Cells	R	G	250,000	-	-	-	2,156,000	-	245,000	-	2,156,000	-	-	4,807,000
4205RD - Climate Change Initiatives		SI	100,000	-	-	-	-	-	-	-	1,210,000	-	-	1,310,000
4207ST - Stormwater Outfall Repair and Rehabilitation		AIM	49,000	-	-	-	-	230,000	-	-	-	-	-	279,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
4208RD - Four Mile Lake Rd. Extension to Highway 11	F	G	607,600	-	-	-	-	-	-	-	-	-	8,620,000	9,227,600
4209GG - City Hall Customer Service Centre & Lobby Renovations		AIM	-	-	343,137	343,137	-	-	-	-	-	-	-	686,274
4210GD - Waste Diversion Facility	✓	AIM	400,000	-	-	3,000,000	-	-	-	-	-	-	-	3,400,000
4215RD - Local Road Reconstruction		AIM	-	-	-	-	-	294,000	-	-	2,940,000	-	-	3,234,000
4216RD - Memorial Rehabilitation		AIM	-	-	-	-	-	-	-	-	1,470,000	-	-	1,470,000
4217TR - Transit Electrification		AIM	-	-	-	-	-	-	-	-	1,960,000	-	-	1,960,000
4300RD - Airport Industrial Park Expansion	R,F	✓	G	578,200	-	-	-	10,930,000	-	-	-	-	-	11,508,200
4300ST - Airport Industrial Park Expansion	F	✓	G	49,000	-	-	-	1,210,000	-	-	-	-	-	1,259,000
4302RD - Pearson St. and Bank St. Culvert Replacements		AIM	9,800	10,000	130,000	-	-	-	-	-	-	-	-	149,800
4302ST - Pearson St. and Bank St. Culvert Replacements		AIM	39,200	55,000	1,000,000	-	-	-	-	-	-	-	-	1,094,200
4303RD - Premier Sidewalk and Resurfacing	F	AIM	-	1,759,859	-	-	-	-	-	-	-	-	-	1,759,859
4304ST - Airport Road Storm Sewer		AIM	24,500	40,000	650,000	-	-	-	-	-	-	-	-	714,500
4305PK - Carousel Parking Lot Paving	F	AIM	-	-	-	-	-	-	-	-	-	1,250,000	-	1,250,000
4306PR - Mini-Train Underpass Pedestrian Walkway	F	AIM	-	-	-	1,520,000	-	-	-	-	-	-	-	1,520,000
4307RD - Champlain & McKeown Intersection Improvements		AIM	-	-	130,000	1,600,000	-	-	-	-	-	-	-	1,730,000
4308RD - Main St. Alleyway Drainage Improvements	F	AIM	-	-	15,000	270,000	-	-	-	-	-	-	-	285,000
4309SL - Oak Pedestrian Crossing		AIM	-	100,000	-	-	-	-	-	-	-	-	-	100,000
4310RD - Pearce St. Extension to Tower Dr.	F	✓	G	88,200	-	1,720,000	-	-	-	-	-	-	-	1,808,200
4310ST - Pearce St. Extension to Tower Dr.	F	✓	G	44,100	-	910,000	-	-	-	-	-	-	-	954,100
4311RD - Trout Lake Road Resurfacing (Highway 11/17 to Giroux)	F	AIM	-	100,000	3,460,000	-	-	-	-	-	-	-	-	3,560,000
4316ST - Storm Sewer Condition Assessment		AIM	-	406,141	-	-	-	-	-	-	-	-	-	406,141
4319RD - Jane St. Reconstruction (Timmins to Algonquin)	✓	AIM	-	-	-	-	-	-	-	-	-	-	210,000	210,000
4319ST - Jane St. Reconstruction (Timmins to Algonquin)	✓	AIM	-	-	-	-	-	-	-	-	-	-	90,000	90,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
4330TR - Construction of Sidewalks for Transit Routes - Phase 2	F	SI	295,338	-	-	-	2,419,655	1,533,899	1,645,483	2,179,721	-	-	-	8,074,096
4334ST - Storm Sewer Rehabilitation		AIM	-	-	-	-	3,000,000	-	-	-	-	-	-	3,000,000
4340ST - Laurentian Heights Stormwater Management Pond	R	G	530,767	2,500,000	-	-	-	-	-	-	-	-	-	3,030,767
4344RD - O'Brien Street - Ski Club to Airport & Ski Club Signals	✓	AIM	-	-	80,000	1,480,000	-	-	-	-	-	-	-	1,560,000
4344ST - O'Brien Street - Ski Club to Airport & Ski Club Signals	✓	AIM	-	-	30,000	460,000	-	-	-	-	-	-	-	490,000
4354RD - Citywide Traffic Model		SI	-	100,000	-	-	-	-	-	-	-	-	-	100,000
4355RD - Kodiak Reconstruction	✓	AIM	-	60,000	-	1,090,000	-	-	-	-	-	-	-	1,150,000
4355ST - Kodiak Reconstruction	✓	AIM	-	45,000	-	840,000	-	-	-	-	-	-	-	885,000
4356RD - Marshall Bike Lanes		SI	-	-	-	-	220,000	-	-	-	-	-	-	220,000
4357RD - Signalized Pedestrian Crossing		SI	-	25,000	110,000	110,000	-	-	-	-	-	-	-	245,000
4358GD - Short-term Leachate Management Control System (STLMCS) Upgrades		AIM	-	500,000	-	-	-	-	-	-	-	-	-	500,000
4359RD - Princess (Cassells to Fraser)	✓	AIM	-	460,000	-	-	-	-	-	-	-	-	-	460,000
4359ST - Princess (Cassells to Fraser)	✓	AIM	-	320,000	-	-	-	-	-	-	-	-	-	320,000
4360RD - Duke (Cassells to Fraser)	✓	AIM	-	25,000	450,000	-	-	-	-	-	-	-	-	475,000
4360ST - Duke (Cassells to Fraser)	✓	AIM	-	20,000	310,000	-	-	-	-	-	-	-	-	330,000
4361SL - Marshall Park & Lakeshore Drive Traffic Signals		AIM	-	30,000	260,000	-	-	-	-	-	-	-	-	290,000
4362ST - Airport Heights & Cedar Heights Master Drainage Plans		SI	-	-	-	210,000	-	-	-	-	-	-	-	210,000
4365RD - Trout Lake Road Retaining Wall Replacement		AIM	-	-	-	-	-	-	-	-	-	160,000	3,200,000	3,360,000
4365ST - Trout Lake Road Retaining Wall Replacement		AIM	-	-	-	-	-	-	-	-	-	20,000	320,000	340,000
4401RD - Sage Rd. Reconstruction to Collector Standard	F	✓	G	-	-	-	-	-	290,000	-	5,760,000	-	-	6,050,000
4401ST - Sage Rd. Reconstruction to Collector Standard	✓	G	-	-	-	-	-	-	125,000	-	2,450,000	-	-	2,575,000
4500RD - Franklin & John Trunk Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	370,000	370,000
4500ST - Franklin & John Trunk Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	160,000	160,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
4502TR - Transit Bus Shelter Upgrades	F	SI	-	77,679	-	8,444	-	82,745	-	-	-	-	-	168,868
4503TR - Transit Terminal Upgrades: Lighting and Roof	F	AIM	-	84,146	-	-	226,205	-	-	-	-	-	-	310,351
4504TR - Transit Bus Feature Upgrades	F	AIM	-	-	13,073	204,797	-	-	-	-	-	-	-	217,870
4505TR - Transit Bus Barn Lighting	F	AIM	-	-	-	-	-	-	-	-	23,000	-	-	23,000
4506TR - Transit Terminal Facility Upgrades	F	SI	-	7,113	128,029	220,494	-	-	-	-	-	-	-	355,636
4507TR - Transit Bus Wash Rehabilitation	F	AIM	-	-	-	-	-	-	-	540,000	-	-	-	540,000
4508TR - Transit Hoist	F	SI	-	55,000	60,638	-	66,853	-	-	77,391	81,260	-	-	341,142
4509TR - Transit Sidewalk Tractor	R,F	SI	-	184,500	203,411	-	-	-	-	-	-	-	-	387,911
6762RF - Aquatic Centre Rehab Program 2024 On-going		AIM	-	107,800	112,700	117,600	122,500	127,400	132,300	132,300	132,300	132,300	132,300	1,249,500
6763RD - Asphalt Resurfacing 2024 On-going		AIM	-	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,800,000	3,800,000	3,800,000	36,600,000
6764RD - Asphalt Sheeting 2024 On-going		AIM	-	143,080	143,080	143,080	143,080	147,000	147,000	147,000	147,000	147,000	147,000	1,454,320
6766RD - Bridge Rehab 2024 On-going		AIM	-	240,000	248,000	255,000	263,000	271,000	279,000	287,000	296,000	305,000	314,000	2,758,000
6769GG - City Hall Building Rehab 2024 On-going		AIM	-	294,000	294,000	294,000	294,000	294,000	294,000	294,000	294,000	294,000	294,000	2,940,000
6770PR - City Hall Grounds Rehab Program 2024 On-going		AIM	-	166,719	-	174,565	-	182,410	94,080	94,080	98,000	98,000	98,000	1,005,854
6771RD - City Share of Development Costs 2024 On-going	✓	G	-	335,000	346,000	676,000	367,000	378,000	389,000	401,000	413,000	425,000	438,000	4,168,000
6771ST - City Share of Development Costs 2024 On-going	✓	G	-	50,000	52,000	54,000	55,000	57,000	58,000	60,000	62,000	64,000	66,000	578,000
6773RD - Design Work Next Year's Projects 2024 On-going	✓	AIM	-	165,000	170,000	176,000	181,000	186,000	192,000	198,000	203,000	210,000	216,000	1,897,000
6773ST - Design Work Next Year's Projects 2024 On-going	✓	AIM	-	18,000	19,000	20,000	20,000	21,000	21,000	22,000	23,000	23,000	24,000	211,000
6775ST - Ditch Enclosure 2024 On-going		AIM	-	196,000	196,000	294,000	294,000	302,820	303,800	303,800	303,800	303,800	303,800	2,801,820
6776RD - Downtown Roads Maintenance 2024 On-going		AIM	-	50,000	50,000	75,000	119,560	123,480	127,400	127,400	127,400	127,400	127,400	1,055,040
6778RD - Engineering Data and Equipment 2024 On-going	✓	SI	-	20,000	21,000	22,000	22,000	23,000	24,000	24,000	25,000	26,000	27,000	234,000
6779RD - Equipment Replacement 2024 On-going	✓	AIM	-	9,800	9,800	9,800	9,800	9,800	9,800	9,800	9,800	9,800	9,800	98,000
6785RD - Infrastructure Modelling 2024 On-going	✓	AIM	-	-	10,000	11,000	11,000	12,000	12,000	12,000	13,000	13,000	14,000	108,000

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Infrastructure & Operations														
6785ST - Infrastructure Modelling 2024 On-going	✓	AIM	-	-	10,000	11,000	11,000	12,000	12,000	12,000	13,000	13,000	14,000	108,000
6786RD - Interlocking Brick Sidewalk & Retaining Wall Replacement 2024 On-going		AIM	-	98,000	98,000	98,000	98,000	98,000	98,000	98,000	98,000	98,000	98,000	980,000
6787MR - King's Landing and Marina Rehab Program 2024 On-going		AIM	-	171,500	196,000	196,000	98,000	98,000	98,000	98,000	98,000	98,000	98,000	1,249,500
6795PK - Parking Equipment Program 2024 On-going		AIM	-	-	122,500	-	-	122,500	-	-	122,500	-	-	367,500
6796PK - Parking Lot Maintenance and Improvement Program 2024 On-going		AIM	-	49,000	49,000	49,000	53,900	53,900	58,800	58,800	63,700	63,700	63,700	563,500
6802RD - Pedestrian Safety Program 2024 On-going		AIM	-	94,080	94,080	143,080	143,080	147,000	151,900	151,900	151,900	151,900	151,900	1,380,820
6804RD - Public Works Building Maintenance 2024 On-going	✓	AIM	-	49,000	49,000	49,000	49,000	50,960	53,900	53,900	53,900	53,900	53,900	516,460
6806RD - Road Culvert Replace/Rehab 2024 On-going		AIM	-	216,580	216,580	216,580	216,580	223,440	225,400	225,400	225,400	225,400	225,400	2,216,760
6807RD - Rural Road Rehab 2024 On-going		AIM	-	718,340	718,340	718,340	718,340	739,900	739,900	739,900	739,900	739,900	739,900	7,312,760
6812RD - Sidewalk Replacement Program 2024 On-going		AIM	-	118,580	118,580	216,580	216,580	223,440	225,400	225,400	225,400	225,400	225,400	2,020,760
6813ST - Storm Sewer Flushing and Outfall Maintenance 2024 On-going		AIM	-	83,300	86,240	89,180	92,120	95,060	98,000	98,000	98,000	98,000	98,000	935,900
6814SL - Street Light Replacement 2024 On-going		AIM	-	4,900	4,900	9,800	9,800	9,800	14,700	14,700	14,700	14,700	14,700	112,700
6816SL - Traffic Control Signal Upgrade 2024 On-going		AIM	-	216,580	216,580	216,580	216,580	223,440	225,400	225,400	225,400	225,400	225,400	2,216,760
6818TR - Transit Buildings Capital Program 2024 On-going		AIM	-	31,850	34,300	35,035	39,200	39,200	39,200	39,200	44,100	49,000	49,000	400,085
6832ST - Rear-Lot Drainage Rehab 2024 On-going		AIM	-	60,000	62,000	64,000	66,000	68,000	70,000	72,000	74,000	77,000	79,000	692,000
6833RD - Resurfacing Structure Repair 2024 On-going		AIM	-	100,000	103,000	107,000	110,000	113,000	116,000	120,000	123,000	127,000	131,000	1,150,000
6834RD - Citywide Sidewalk Tactile Plates 2024 On-going		AIM	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
Total Infrastructure & Operations			17,508,922	20,977,699	32,700,618	24,163,092	38,048,833	28,104,194	34,851,463	20,599,092	28,339,460	29,383,600	28,638,600	303,315,573
Service Partners														
4498PD - North Bay Police Service Electrical & Generator Replacement		AIM	-	700,000	1,200,000	-	-	-	-	-	-	-	-	1,900,000
4499PD - North Bay Police Service Headquarters Replacement (see additional request below)		AIM	-	115,000	-	30,000	840,000	1,650,000	-	1,665,000	-	-	200,000	4,500,000
6483AA - Casselholme Redevelopment		SI	3,777,562	2,000,000	2,800,000	3,250,000	3,802,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	39,629,562
6767OC - Capitol Centre 2024 On-going		AIM	-	295,000	300,000	335,000	275,000	275,000	330,000	275,000	275,000	275,000	275,000	2,910,000
6790AT - North Bay Jack Garland Airport 2024 On-going		AIM	-	731,250	640,000	600,000	517,500	650,000	7,750,000	701,500	650,000	685,000	610,000	13,535,250

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Service Partners														
6791CA - North Bay Mattawa Conservation Authority 2024 On-going		AIM	-	518,769	537,263	651,159	674,083	697,942	722,776	748,626	775,538	803,557	832,731	6,962,444
6792PD - North Bay Police Services 2024 On-going		AIM	-	892,000	1,683,000	1,449,000	1,440,000	1,031,000	961,000	961,000	1,035,000	1,301,000	761,000	11,514,000
6793LB - North Bay Public Library 2024 On-going (see additional request below)		AIM	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
Total Service Partners			3,777,562	5,752,019	7,660,263	6,815,159	8,048,583	8,803,942	14,263,776	8,851,126	7,235,538	7,564,557	7,178,731	85,951,256
Total General Capital Budget			29,517,737	56,589,045	81,260,947	40,684,166	53,686,935	46,671,763	56,802,318	36,672,534	43,079,270	44,038,227	43,019,578	532,022,520
Reserve Funding (R)														
3405PK - Parking Property Acquisition Program			(300,000)	(300,000)	-	-	(300,000)	-	-	-	-	-	-	(900,000)
3508PR - Parks and Playgrounds - New Neighbourhood Parks			-	-	(200,000)	-	-	-	-	-	-	-	-	(200,000)
3518PR - King's Landing Commercialization of Waterfront			-	-	-	(300,000)	(300,000)	(300,000)	-	-	-	-	-	(900,000)
3700RD - Seymour St. - Station to Wallace - Widening and Signals			-	-	(300,000)	-	-	-	-	-	-	-	-	(300,000)
3711RF - City of North Bay Community and Recreation Centre			(2,074,896)	(1,067,000)	(3,983,000)	-	-	-	-	-	-	-	-	(7,124,896)
3715RD - Pinewood Park & Lakeshore Drive Intersection Reconstruction			-	-	(339,000)	-	-	-	-	-	-	-	-	(339,000)
3823FD - Fire Master Plan			-	-	-	-	-	-	(45,000)	-	-	-	-	(45,000)
3830GD - Merrick Landfill Gas (LFG) Collection Infrastructure			(650,000)	-	-	(150,000)	(345,000)	-	-	-	(250,000)	-	-	(1,395,000)
3926GD - Merrick Landfill Lifecycle Extension Environmental Assessment			(100,000)	-	-	-	-	(500,000)	-	-	-	-	-	(600,000)
4125RD - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude			-	-	-	-	-	-	(130,000)	-	-	-	-	(130,000)
4125ST - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude			-	-	-	-	-	-	(70,000)	-	-	-	-	(70,000)
4203GD - Leachate Management - Future Cells			(250,000)	-	-	-	(1,445,000)	-	-	-	(1,120,000)	-	-	(2,815,000)
4300RD - Airport Industrial Park Expansion			(196,954)	-	-	-	-	-	-	-	-	-	-	(196,954)
4340ST - Laurentian Heights Stormwater Management Pond			-	(492,552)	-	-	-	-	-	-	-	-	-	(492,552)
4343PZ - Wayfinding			-	-	(50,000)	-	-	-	-	-	-	-	-	(50,000)
4346RF - Pete Palangio HVAC/HRB Replacements			-	(230,000)	-	-	-	-	-	-	-	-	-	(230,000)
4509TR - Transit Sidewalk Tractor			-	(49,206)	(49,408)	-	-	-	-	-	-	-	-	(98,614)
8024FL - Vehicle and Equipment Life Cycle 2024			-	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(2,500,000)	(25,000,000)
Total Reserve Funding			(3,571,850)	(4,638,758)	(7,421,408)	(2,650,000)	(4,890,000)	(3,300,000)	(3,045,000)	(2,500,000)	(3,870,000)	(2,500,000)	(2,500,000)	(40,887,016)

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Grants and Other Funding Sources (F)														
3518PR - King's Landing Commercialization of Waterfront			(581,150)	-	-	-	(3,400,000)	(3,400,000)	(3,400,000)	-	-	-	-	(10,781,150)
3700RD - Seymour St. - Station to Wallace - Widening and Signals			(112,000)	-	(1,618,250)	-	-	-	-	-	-	-	-	(1,730,250)
3700ST - Seymour St. - Station to Wallace - Widening and Signals			(29,750)	-	(240,000)	-	-	-	-	-	-	-	-	(269,750)
3711RF - City of North Bay Community and Recreation Centre	R,F		(2,500,000)	(16,546,384)	(9,231,632)	-	-	-	-	-	-	-	-	(28,278,016)
3715RD - Pinewood Park & Lakeshore Drive Intersection Reconstruction			-	-	(1,050,000)	-	-	-	-	-	-	-	-	(1,050,000)
4018TR - Transit Fleet Garage and Bus Barn Upgrades: Health and Safety			(273,565)	(56,198)	-	-	-	-	-	-	-	-	-	(329,763)
4020TR - New Bus Shelters and Digital Signage			(256,966)	(156,419)	-	-	-	-	-	-	-	-	-	(413,385)
4021TR - Construction of Sidewalks for Transit Routes			(2,422,382)	(1,319,135)	(855,696)	-	-	-	-	-	-	-	-	(4,597,213)
4109RD - Trout Lake Rd. & Laurentian Ave. Intersection Reconstruction			-	-	-	-	-	-	-	-	-	(3,000,000)	-	(3,000,000)
4208RD - Four Mile Lake Rd. Extension to Highway 11			-	-	-	-	-	-	-	-	-	-	(5,740,000)	(5,740,000)
4300RD - Airport Industrial Park Expansion			-	-	-	-	(7,280,000)	-	-	-	-	-	-	(7,280,000)
4300ST - Airport Industrial Park Expansion			-	-	-	-	(800,000)	-	-	-	-	-	-	(800,000)
4303RD - Premier Sidewalk and Resurfacing			-	(1,155,048)	-	-	-	-	-	-	-	-	-	(1,155,048)
4305PK - Carousel Parking Lot Paving			-	-	-	-	-	-	-	-	-	(333,333)	-	(333,333)
4306PR - Mini-Train Underpass Pedestrian Walkway			-	-	-	(500,000)	-	-	-	-	-	-	-	(500,000)
4308RD - Main St. Alleyway Drainage Improvements			-	-	-	(166,667)	-	-	-	-	-	-	-	(166,667)
4310RD - Pearce St. Extension to Tower Dr.			-	-	(1,500,000)	-	-	-	-	-	-	-	-	(1,500,000)
4310ST - Pearce St. Extension to Tower Dr.			-	-	(800,000)	-	-	-	-	-	-	-	-	(800,000)
4311RD - Trout Lake Road Resurfacing (Highway 11/17 to Giroux)			-	-	(3,000,000)	-	-	-	-	-	-	-	-	(3,000,000)
4330TR - Construction of Sidewalks for Transit Routes - Phase 2			(216,572)	-	-	-	(1,588,191)	(1,010,667)	(1,082,858)	(1,443,810)	-	-	-	(5,342,098)
4343PZ - Wayfinding			-	-	(150,000)	-	-	-	-	-	-	-	-	(150,000)
4347RF - Capital Centre & Museum Digital Display Signage			-	-	(100,000)	(100,000)	-	-	-	-	-	-	-	(200,000)
4348PR - Cricket Pitch Construction			-	(70,000)	-	(1,870,000)	-	-	-	-	-	-	-	(1,940,000)

2024 General Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to Water and Wastewater	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Grants and Other Funding Sources (F)														
4349PR - Engine 503 Diesel Static Display and Disposition of FP7A			-	-	(750,000)	-	-	-	-	-	-	-	-	(750,000)
4350PR - Centennial Parkette			-	(100,000)	-	-	-	-	-	-	-	-	-	(100,000)
4401RD - Sage Rd. Reconstruction to Collector Standard			-	-	-	-	-	-	-	-	(721,905)	-	-	(721,905)
4502TR - Transit Bus Shelter Upgrades			-	(56,962)	-	(6,191)	-	(60,677)	-	-	-	-	-	(123,830)
4503TR - Transit Terminal Upgrades: Lighting and Roof			-	(70,118)	-	-	(189,579)	-	-	-	-	-	-	(259,697)
4504TR - Transit Bus Feature Upgrades			-	-	(9,586)	(150,177)	-	-	-	-	-	-	-	(159,763)
4505TR - Transit Bus Barn Lighting			-	-	-	-	-	-	-	-	(16,866)	-	-	(16,866)
4506TR - Transit Terminal Facility Upgrades			-	(5,216)	(93,883)	(161,688)	-	-	-	-	-	-	-	(260,787)
4507TR - Transit Bus Wash Rehabilitation			-	-	-	-	-	-	-	(449,982)	-	-	-	(449,982)
4508TR - Transit Hoist			-	(40,331)	(44,466)	-	(49,023)	-	-	(56,750)	(59,588)	-	-	(250,158)
4509TR - Transit Sidewalk Tractor			-	(135,294)	(149,161)	-	-	-	-	-	-	-	-	(284,455)
6817PR - Trail and Supporting Hard Surfaces Rehab 2024 On-going			-	(50,000)	(50,000)	-	-	-	-	-	-	-	-	(100,000)
8024FL - Vehicle and Equipment Life Cycle 2024			-	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(5,000,000)
Ontario Community Infrastructure Fund (OCIF)				(3,700,000)	(6,930,000)	(4,500,000)	(4,500,000)	(4,500,000)	(4,500,000)	(4,500,000)	(4,500,000)	(4,500,000)	(4,500,000)	(46,630,000)
Total Grants and Other Funding Sources (F)				(6,392,385)	(23,961,105)	(27,072,674)	(7,954,723)	(18,306,793)	(9,471,344)	(9,482,858)	(6,950,542)	(5,798,359)	(8,333,333)	(134,464,116)
Net General Capital Budget				19,553,502	27,989,182	46,766,865	30,079,443	30,490,142	33,900,419	44,274,460	27,221,992	33,410,911	33,204,894	29,779,578
Capital Funding Policy Limit														
Capital Levy in Operating Budget				(18,312,887)	(18,373,886)	(18,326,053)	(19,063,037)	(19,845,724)	(20,449,315)	(21,346,989)	(22,328,829)	(23,246,845)	(24,030,716)	(205,324,281)
Debenture and Long-term Debt				(2,904,500)	(6,100,000)	(8,100,000)	(8,100,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(76,204,500)
Special Debt for Community Centre				-	(14,733,945)	-	-	-	-	-	-	-	-	(14,733,945)
Canadian Community Building Fund for Community & Recreation Centre				(3,460,396)	(3,460,396)	-	-	-	-	-	-	-	-	(6,920,792)
Canadian Community Building Fund				(3,311,399)	(3,449,374)	(3,449,374)	(3,587,349)	(3,587,349)	(3,587,349)	(3,587,349)	(3,587,349)	(3,587,349)	(3,587,349)	(35,321,590)
Target Policy for Net Expenditures				(27,989,182)	(46,117,601)	(29,875,427)	(30,750,386)	(31,933,073)	(32,536,664)	(33,434,338)	(34,416,178)	(35,334,194)	(36,118,065)	(338,505,108)
(\$ Available) \$ Funding Needed				-	649,264	204,016	(260,244)	1,967,346	11,737,796	(6,212,346)	(1,005,267)	(2,129,300)	(6,338,487)	(1,387,222)
Additional Requests from Service Partners:														
4499PD - North Bay Police Service Headquarters Replacement				-	-	-	-	-	-	-	23,000,000	23,000,000	-	46,000,000
6793LB - North Bay Public Library 2024 On-going				-	-	-	-	-	6,250,000	6,250,000	6,250,000	6,250,000	-	25,000,000
				-	-	-	-	-	6,250,000	6,250,000	29,250,000	29,250,000	-	71,000,000

*LTD funds to be reallocated from project 3711RF in 2023 year-end variance report



2024 Water and Wastewater Capital Budget Summary and Capital Forecast for 2025 To 2033

Schedule B
2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Wastewater														
3700SS - Seymour St. - Station to Wallace - Widening and Signals	✓	G	58,800	-	1,120,000	-	-	-	-	-	-	-	-	1,178,800
3801SS - McKeown Ave. Widening - Gormanville to Cartier	✓	G	1,250,000	1,175,000	-	-	-	-	-	-	-	-	-	2,425,000
3802SS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	✓	AIM	-	-	-	-	-	-	-	-	-	-	260,000	260,000
3810SS - Main St. - Gormanville to Memorial	✓	G	-	-	-	-	-	340,000	-	6,720,000	-	-	-	7,060,000
3818SS - Premier Pumping Station Replacement	✓	AIM	2,850,000	-	1,420,000	-	-	-	-	-	-	-	-	4,270,000
3825SS - Wastewater Treatment Plant - Intake Chamber Replacement	F	AIM	5,686,500	5,659,944	-	-	-	-	-	-	-	-	-	11,346,444
3900SS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	✓	SI	-	-	-	-	-	-	-	-	-	195,000	-	195,000
3909SS - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	✓	AIM	-	-	-	-	-	-	-	-	-	100,000	1,870,000	1,970,000
3919SS - Metcalfe St - Laurier to End	✓	AIM	30,000	-	-	-	760,000	-	-	-	-	-	-	790,000
3932SS - Lakeshore Dr. - Jessups Creek to Premier Road	✓	AIM	40,000	-	1,420,000	-	-	1,550,000	-	-	-	-	-	3,010,000
4030SS - Sanitary Sewer Relining	F	AIM	98,000	1,326,000	-	-	-	-	-	-	-	-	-	1,424,000
4032SS - O'Brien St. Reconstruction - Cassells to Ski Club	✓	AIM	-	-	-	-	-	-	-	-	-	320,000	6,190,000	6,510,000
4037SS - Sage Area Trunk Sewer Improvements		AIM	-	-	-	160,000	3,280,000	-	-	-	-	-	-	3,440,000
4103SS - Wastewater Treatment Plant Expansion	R	AIM	1,523,000	477,000	-	2,940,000	2,940,000	245,000	9,163,000	-	-	-	-	17,288,000
4115SS - Innovation Hub	✓	G	10,000	-	-	110,000	-	-	-	-	-	-	-	120,000
4124SS - Francis St. Sewer Upsizing (Surrey to Greenhill)	✓	G	-	-	-	-	-	-	140,000	2,720,000	-	-	-	2,860,000
4125SS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	✓	AIM	-	-	-	225,000	-	4,470,000	-	-	-	-	4,695,000
4210SS - Waste Diversion Facility	✓	AIM	-	-	-	250,000	-	-	-	-	-	-	-	250,000
4300SS - Airport Industrial Park Expansion	F	✓	G	147,000	-	-	19,350,000	-	-	-	-	-	-	19,497,000
4310SS - Pearce St. Extension to Tower Dr.	F	✓	G	53,900	-	1,010,000	-	-	-	-	-	-	-	1,063,900
4313SS - Pumping Station Condition Assessments		AIM	-	250,000	-	-	-	-	-	-	-	-	-	250,000
4317SS - Sanitary Sewer Condition Assessment		AIM	-	500,000	-	-	-	-	-	-	-	-	-	500,000

2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Wastewater														
4319SS - Jane St. Reconstruction (Timmins to Algonquin)	✓	AIM	-	-	-	-	-	-	-	-	-	-	130,000	130,000
4321SS - Wastewater Treatment Plant Heat Exchanger and Sludge Transfer Piping		AIM	-	-	-	-	-	-	-	-	-	4,900,000	-	4,900,000
4322SS - Wastewater Treatment Plant Blower Replacement		AIM	-	-	-	-	-	-	-	-	-	3,920,000	-	3,920,000
4324SS - Algonquin Sanitary Sewer Rehab		AIM	-	-	-	-	-	-	-	-	-	1,870,000	-	1,870,000
4325SS - Fisher Sanitary Sewer Rehab		AIM	-	-	-	-	-	-	-	-	-	3,110,000	-	3,110,000
4335GG - Administration and Overhead	✓	SI	139,455	145,096	148,723	152,442	156,253	160,159	164,163	168,267	172,474	176,786	181,205	1,765,023
4336SS - Asset Management Transition	✓	SI	54,000	50,000	11,000	50,000	-	99,000	118,000	100,000	75,000	50,000	25,000	632,000
4344SS - O'Brien Street - Ski Club to Airport & Ski Club Signals	✓	AIM	-	-	40,000	660,000	-	-	-	-	-	-	-	700,000
4345SS - King's Landing Pumping Station Replacement		AIM	-	-	80,000	1,560,000	-	-	-	-	-	-	-	1,640,000
4355SS - Kodiak Reconstruction	✓	AIM	-	50,000	-	980,000	-	-	-	-	-	-	-	1,030,000
4359SS - Princess (Cassells to Fraser)	✓	AIM	-	460,000	-	-	-	-	-	-	-	-	-	460,000
4360SS - Duke (Cassells to Fraser)	✓	AIM	-	25,000	450,000	-	-	-	-	-	-	-	-	475,000
4363SS - Centrifuge Replacement		AIM	-	-	-	-	-	-	-	-	-	-	2,000,000	2,000,000
4401SS - Sage Rd. Reconstruction to Collector Standard	✓	G	-	-	-	-	-	-	65,000	-	1,260,000	-	-	1,325,000
4402SS - Chippewa Trunk Sewer Major Rehabilitation & Replacement		AIM	-	-	-	-	-	-	-	-	-	250,000	3,920,000	4,170,000
4500SS - Franklin & John Trunk Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	225,000	225,000
6771SS - City Share of Development Costs 2024 On-going	✓	G	-	150,000	155,000	160,000	164,000	169,000	174,000	180,000	185,000	191,000	196,000	1,724,000
6773SS - Design Work Next Year's Projects 2024 On-going	✓	AIM	-	34,000	36,000	37,000	38,000	39,000	40,000	41,000	42,000	44,000	45,000	396,000
6774SS - Digester and Grit Removal 2024 On-going		AIM	-	500,000	-	-	-	-	200,000	-	-	200,000	-	900,000
6778SS - Engineering Data and Equipment 2024 On-going	✓	SI	-	15,000	16,000	16,000	17,000	17,000	18,000	18,000	19,000	20,000	20,000	176,000
6785SS - Infrastructure Modelling 2024 On-going	✓	AIM	-	10,000	11,000	11,000	11,000	12,000	12,000	12,000	13,000	13,000	14,000	119,000
6808SS - Sewage Lift Stations 2024 On-going		AIM	-	78,400	78,400	78,400	78,400	78,400	78,400	78,400	78,400	78,400	78,400	784,000

2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Wastewater														
6811SS - Sewer Rehab and Restoration 2024 On-going		AIM	-	245,000	245,000	245,000	245,000	252,840	254,800	254,800	254,800	254,800	254,800	2,506,840
6819SS - Wastewater Treatment Plant - Electrical Upgrades 2024 On-going		AIM	-	245,000	-	490,000	245,000	252,840	254,800	254,800	254,800	254,800	254,800	2,506,840
6820SS - Wastewater Treatment Plant Exterior Rehab 2024 On-going		AIM	-	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	4,000,000
6821SS - Wastewater Treatment Plant Rehab 2024 On-going		AIM	-	-	196,000	-	196,000	-	196,000	-	196,000	-	196,000	980,000
6830SS - Wastewater Treatment Plant - Structural Repairs 2024 On-Going	R	AIM	-	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
6831SS - Wastewater Treatment Plant - Roof Rehab 2024 On-going		AIM	-	392,000	392,000	392,000	392,000	392,000	392,000	392,000	392,000	392,000	392,000	3,920,000
Total Wastewater				11,940,655	12,687,440	7,729,123	9,191,842	28,997,653	4,507,239	16,640,163	11,839,267	3,842,474	17,239,786	141,767,847
Water														
3700WS - Seymour St. - Station to Wallace - Widening and Signals	✓	G	196,000	-	3,840,000	-	-	-	-	-	-	-	-	4,036,000
3701WS - Norman/Chapais Connection Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	105,000	105,000
3801WS - McKeown Ave. Widening - Gormanville to Cartier	✓	G	1,200,000	810,000	-	-	-	-	-	-	-	-	-	2,010,000
3802WS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	✓	AIM	-	-	-	-	-	-	-	-	-	-	270,000	270,000
3810WS - Main St. - Gormanville to Memorial	✓	G	-	-	-	-	-	115,000	-	2,230,000	-	-	-	2,345,000
3828WS - West Ferris Trunk Watermain Relining		AIM	975,060	-	-	-	-	-	-	-	1,850,000	-	-	2,825,060
3900WS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	✓	SI	-	-	-	-	-	-	-	-	-	325,000	-	325,000
3905WS - Cedar Heights Rd. - Larocque BPS		G	-	-	55,000	-	4,380,000	-	-	-	-	-	-	4,435,000
3909WS - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	✓	AIM	-	-	-	-	-	-	-	-	-	105,000	1,950,000	2,055,000
3919WS - Metcalfe St - Laurier to End	✓	AIM	30,000	-	-	-	790,000	-	-	-	-	-	-	820,000
3932WS - Lakeshore Dr. - Jessups Creek to Premier Road	✓	AIM	30,000	-	1,280,000	-	-	1,400,000	-	-	-	-	-	2,710,000
4003WS - Membrane Module Replacement	R	AIM	-	-	-	3,000,000	1,500,000	1,500,000	-	-	-	-	-	6,000,000
4031WS - Public Works Building Rehab		AIM	-	98,000	-	500,000	-	-	980,000	-	-	-	-	1,578,000
4032WS - O'Brien St. Reconstruction - Cassells to Ski Club	✓	AIM	-	-	-	-	-	-	-	-	-	340,000	6,480,000	6,820,000
4102WS - Ellendale Pumping Station Second Feed to Airport	✓	SI	-	-	-	105,000	1,870,000	-	-	-	-	-	-	1,975,000
4115WS - Innovation Hub	✓	G	20,000	-	-	420,000	-	-	-	-	-	-	-	440,000

2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Water														
4124WS - Francis St. Sewer Upsizing (Surrey to Greenhill)	✓	G	-	-	-	-	-	-	140,000	2,670,000	-	-	-	2,810,000
4125WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	✓	AIM	-	-	-	230,000	-	4,610,000	-	-	-	-	4,840,000
4210WS - Waste Diversion Facility	✓	AIM	-	-	-	250,000	-	-	-	-	-	-	-	250,000
4212WS - Water Treatment Plant Major Equipment Replacement		AIM	-	-	-	-	-	-	294,000	-	4,410,000	-	-	4,704,000
4213WS - Airport Standpipe Major Equipment Replacement		AIM	-	-	-	-	-	-	294,000	-	980,000	-	-	1,274,000
4214WS - Ellendale Structural Repairs		AIM	-	-	-	-	-	-	294,000	-	4,410,000	-	-	4,704,000
4300WS - Airport Industrial Park Expansion	F	✓	G	254,800	-	-	5,250,000	-	-	-	-	-	-	5,504,800
4310WS - Pearce St. Extension to Tower Dr.	F	✓	G	39,200	-	810,000	-	-	-	-	-	-	-	849,200
4318WS - Watermain Condition Inspections		AIM	-	500,000	-	-	-	-	-	-	-	-	-	500,000
4319WS - Jane St. Reconstruction (Timmins to Algonquin)	✓	AIM	-	-	-	-	-	-	-	-	-	-	135,000	135,000
4323WS - Water Plant & Facilities Condition Assessment Update		AIM	-	98,000	98,000	-	-	-	-	-	-	-	-	196,000
4326WS - Ellendale Check Valve Replacement		AIM	-	686,000	-	-	-	-	-	-	-	-	-	686,000
4335GG - Administration and Overhead	✓	SI	106,642	110,956	113,730	116,573	119,487	122,474	125,536	128,675	131,892	135,189	138,569	1,349,723
4336WS - Asset Management Transition	✓	SI	-	22,000	104,000	7,000	113,000	112,000	12,000	41,000	75,000	50,000	25,000	561,000
4344WS - O'Brien Street - Ski Club to Airport & Ski Club Signals	✓	AIM	-	-	40,000	690,000	-	-	-	-	-	-	-	730,000
4355WS - Kodiak Reconstruction	✓	AIM	-	55,000	-	1,020,000	-	-	-	-	-	-	-	1,075,000
4359WS - Princess (Cassells to Fraser)	✓	AIM	-	480,000	-	-	-	-	-	-	-	-	-	480,000
4360WS - Duke (Cassells to Fraser)	✓	AIM	-	25,000	470,000	-	-	-	-	-	-	-	-	495,000
4364WS - Lee Park Watermain Rehab		AIM	-	1,500,000	-	-	-	-	-	-	-	-	-	1,500,000
4401WS - Sage Rd. Reconstruction to Collector Standard	✓	G	-	-	-	-	-	-	105,000	-	2,020,000	-	-	2,125,000
4500WS - Franklin & John Trunk Watermain	✓	SI	-	-	-	-	-	-	-	-	-	-	280,000	280,000
6771WS - City Share of Development Costs 2024 On-going	R	✓	G	-	150,000	155,000	160,000	164,000	169,000	174,000	180,000	185,000	191,000	1,724,000
6773WS - Design Work Next Year's Projects 2024 On-going	✓	AIM	-	115,000	119,000	123,000	126,000	130,000	134,000	138,000	142,000	146,000	151,000	1,324,000

2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Water														
6779WS - Equipment Replacement 2024 On-going	✓	AIM	-	14,700	14,700	14,700	14,700	14,700	15,000	15,000	15,000	15,000	15,000	148,500
6783WS - Flush Watermains 2024 On-going		AIM	-	196,000	196,000	196,000	196,000	201,880	205,800	205,800	205,800	205,800	205,800	2,014,880
6785WS - Infrastructure Modelling 2024 On-going	✓	AIM	-	10,000	11,000	11,000	11,000	12,000	12,000	12,000	13,000	13,000	14,000	119,000
6804WS - Public Works Building Maintenance 2024 On-going	✓	AIM	-	24,500	24,500	24,500	24,500	25,480	25,480	25,480	25,480	25,480	25,480	250,880
6815WS - System Technology Program 2024 On-going	✓	AIM	-	128,451	128,451	128,451	128,451	132,314	132,314	132,314	132,314	132,314	132,314	1,307,688
6823WS - Water Meter & Radio Upgrade 2024 On-going		AIM	-	245,000	245,000	245,000	-	-	-	-	-	490,000	490,000	1,715,000
6825WS - Water Plant Maintenance 2024 On-going		AIM	-	294,000	294,000	294,000	294,000	302,820	303,800	303,800	303,800	303,800	303,800	2,997,820
6826WS - Water Reservoir Upgrades 2024 On-going		AIM	-	287,140	-	574,280	287,140	294,000	294,000	294,000	294,000	294,000	294,000	2,912,560
6828WS - Watermain Rehab and Restoration 2024 On-going		AIM	-	801,640	801,640	801,640	801,640	826,140	828,100	828,100	828,100	828,100	828,100	8,173,200
6829WS - Watermain Replace/Ream/Reline 2024 On-going		AIM	-	216,580	216,580	216,580	216,580	223,440	225,400	225,400	225,400	225,400	225,400	2,216,760
Total Water				2,851,702	6,867,967	9,016,601	8,897,724	16,516,498	5,581,248	9,204,430	7,429,569	16,246,786	3,825,083	98,702,071
Total Water and Wastewater Reserve Funding (R)				14,792,357	19,555,407	16,745,724	18,089,566	45,514,151	10,088,487	25,844,593	19,268,836	20,089,260	21,064,869	240,469,918
4003WS - Membrane Module Replacement			-	-	-	(597,000)	-	-	-	-	-	-	-	(597,000)
4103SS - Wastewater Treatment Plant Expansion			(293,000)	(170,000)	-	-	-	-	-	-	-	-	-	(463,000)
4125SS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude			-	-	-	-	-	-	(255,000)	-	-	-	-	(255,000)
4125WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude			-	-	-	-	-	-	(110,000)	-	-	-	-	(110,000)
6771WS - City Share of Development Costs 2024 On-going			-	(150,000)	(155,000)	(160,000)	-	-	-	-	-	-	-	(465,000)
6830SS - Wastewater Treatment Plant - Structural Repairs 2024 On-Going			-	(116,000)	-	-	-	-	-	-	-	-	-	(116,000)
Total Reserve Funding (R)				(293,000)	(436,000)	(155,000)	(757,000)	-	-	(365,000)	-	-	-	(2,006,000)
Grants and Other Funding Sources (F)														
3825SS - Wastewater Treatment Plant - Intake Chamber Replacement			-	(3,100,000)	-	-	-	-	-	-	-	-	-	(3,100,000)
4030SS - Sanitary Sewer Relining			-	(1,088,072)	-	-	-	-	-	-	-	-	-	(1,088,072)
4300SS - Airport Industrial Park Expansion			-	-	-	-	(12,890,000)	-	-	-	-	-	-	(12,890,000)
4300WS - Airport Industrial Park Expansion			-	-	-	-	(3,490,000)	-	-	-	-	-	-	(3,490,000)
4310SS - Pearce St. Extension to Tower Dr.			-	-	(600,000)	-	-	-	-	-	-	-	-	(600,000)

2024 Water and Wastewater Capital Budget and Capital Forecast for 2025 to 2033 by Business Unit

	Link to General	Project Classification	LTD Approved Budget	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
Grants and Other Funding Sources (F)														
4310WS - Pearce St. Extension to Tower Dr.			-	-	(700,000)	-	-	-	-	-	-	-	-	(700,000)
Ontario Community Infrastructure Fund (OCIF)			-	-	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(4,500,000)
Grants and Other Funding Sources (F)			-	(4,188,072)	(1,800,000)	(500,000)	(16,880,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(26,368,072)
Net Water and Wastewater Capital Budget			14,499,357	14,931,335	14,790,724	16,832,566	28,634,151	9,588,487	24,979,593	18,768,836	19,589,260	20,564,869	28,916,668	212,095,846
Capital Funding Policy Limit														
Capital Levy In Water and Wastewater Budget				(11,931,335)	(12,190,781)	(13,548,740)	(14,939,404)	(16,400,736)	(17,478,955)	(18,765,604)	(19,694,331)	(20,944,408)	(22,042,087)	(167,936,382)
Debenture and Long-term Debt				(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(30,000,000)
Target Policy for Net Expenditures				(14,931,335)	(15,190,781)	(16,548,740)	(17,939,404)	(19,400,736)	(20,478,955)	(21,765,604)	(22,694,331)	(23,944,408)	(25,042,087)	(197,936,382)
(\$ Available) \$ Funding Needed				-	(400,057)	283,826	10,694,747	(9,812,249)	4,500,638	(2,996,768)	(3,105,071)	(3,379,539)	3,874,581	(339,892)



Capital Project Information Sheets by Project Number

Number:	3302ST	Scenario:	Main
Title:	Trunk Sewer Rehab - Pinewood Fingers Creek	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project provides for engineering and construction services for major culvert improvements at various locations along the Pinewood Fingers Creek. Culvert upgrades anticipated includes the CP Rail Crossing, removal of the historical CN Rail Crossing, upsizing the culvert from Jane Street to Copeland Street, channelization downstream of Tackaberry Drive, upsizing the culvert crossing Tackaberry Drive, and upsizing the culvert crossing the Ministry of Transportation Highway 17 corridor.</p> <p>Engineering services will include condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>		<p>The Pinewood Fingers Creek has various culvert constraints that constrict the creek flow and add to flooding hazards. Flood flows at the culverts represent a significant risk to wash out type collapse of the culverts and roads.</p> <p>Flood flows through the yards between Jane Street and Copeland Street and backwater flooding to McNamara Street are the primary residential property flooding concerns. These hazards are expected with larger storms which occur infrequently (every 25 to 100 years) and as such are not considered an on-going nuisance hazard but rather a larger scale community protection concern which will need to be addressed.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2033	260,000	260,000	0
	260,000	260,000	0
LTD Amount: 0		Total Project Cost: 260,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2033	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2033

Number:	3405PK	Scenario:	Main
Title:	Parking Property Acquisition Program	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
The project is to provide funds for the purchase of lands for future parking uses.	<p>Downtown development potential is limited if steps are not taken to provide additional parking space. The 2012 Parking Study identifies preferred properties to be acquired. The funding budgeted in 2024, 2027 and 2031 is for the purchase of lands identified. The construction cost of parking lots or facilities on these lands, if acquired, will be requested in future capital budgets or has been budgeted in Capital Project 4201PK, depending on properties purchased.</p> <p>Project is funded by the Property Development Reserve (99535R) which was established to fund the purchase of property and the development of the City.</p> <p>Related project 4201PK.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																													
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> <tr> <td>2027</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> <tr> <td>2031</td> <td>294,000</td> <td>294,000</td> <td>0</td> </tr> <tr> <td></td> <td>894,000</td> <td>894,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 300,000</td> <td colspan="2">Total Project Cost: 1,194,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	300,000	300,000	0	2027	300,000	300,000	0	2031	294,000	294,000	0		894,000	894,000	0	LTD Amount: 300,000		Total Project Cost: 1,194,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>5001</td> <td>LAND</td> <td>300,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>300,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0470</td> <td>TSF FROM RESERVE FUND</td> <td>300,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>300,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			5001	LAND	300,000	Total Expense:		300,000	Revenue			0470	TSF FROM RESERVE FUND	300,000	Total Revenue:		300,000
Budget Year	Total Expense	Total Revenue	Difference																																											
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2021	N/A	David Jackowski	Dec 31, 2031

Number:	3506ST	Scenario:	Main
Title:	Stormwater Management - Overland Flow Control Study	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering services for the analysis of the City's stormwater infrastructure and major storm water flow routes (i.e., when the sewers are full during larger rain events) leading to the identification of overland flow route needs.</p> <p>Engineering services will include mapping of drainage areas, analysis of the major and minor (storm sewer) systems and identification of the needs to mitigate major flow system deficiencies.</p>	<p>The City's storm sewer systems (the minor system) are only designed to capture runoff from certain sized storms (one that statistically occurs once every five years).</p> <p>During intense rain events, the system's capacity can be exceeded and once the sewer systems are full of water any additional runoff must flow overland (the major system). If the overland flow routes are designed properly, localized flooding can be mitigated.</p> <p>Unfortunately, several older systems did not include accommodations for a major system - examples include the low area at Ferguson Street and King Street that experienced a number of floods in recent years, as well as the low spot on Surrey Drive between Airport Road and Francis Avenue, which has experienced some minor flooding, but with a large enough storm, the only outlet was between two residential houses.</p> <p>Projects have been undertaken recently to correct the major system deficiencies on Ferguson Street and Surrey Drive. A City-wide study will help to identify other under-designed areas and to prioritize areas with the greatest risk potential for flooding and damage.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>105,000</td> <td>105,000</td> <td>0</td> </tr> <tr> <td></td> <td>105,000</td> <td>105,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 105,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	105,000	105,000	0		105,000	105,000	0	LTD Amount: 0	Total Project Cost: 105,000			
Budget Year	Total Expense	Total Revenue	Difference														
2025	105,000	105,000	0														
	105,000	105,000	0														
LTD Amount: 0	Total Project Cost: 105,000																

Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2025	N/A	Adam Lacombe	Dec 31, 2025

Number:	3508PR	Scenario:	Main
Title:	Parks and Playgrounds - New Neighbourhood Parks	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the development of new parks within the City. The development of the new parks is supported by the recommendations in the City's Parks Master Plan and Official Plan.	<p>Council has approved an updated Parks Master Plan on November 16, 2021 as per Community Services Committee Report 2021-16.</p> <p>Based on the approved 2021 Parks Master Plan and the City's Official Plan, areas for the development of new neighbourhood parks will be assessed to determine priorities.</p> <p>This project has been identified to be funded partially from the Parklands Reserve Fund (99501R) established by the Planning Act to fund the acquisition of lands to be used for park or other public recreational purposes, including the erecting or repairing of buildings or other structures.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																								
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>200,000</td> <td>200,000</td> <td>0</td> </tr> <tr> <td>2028</td> <td>196,000</td> <td>196,000</td> <td>0</td> </tr> <tr> <td>2031</td> <td>196,000</td> <td>196,000</td> <td>0</td> </tr> <tr> <td></td> <td>592,000</td> <td>592,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 592,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	200,000	200,000	0	2028	196,000	196,000	0	2031	196,000	196,000	0		592,000	592,000	0	LTD Amount: 0		Total Project Cost: 592,000		
Budget Year	Total Expense	Total Revenue	Difference																						
2025	200,000	200,000	0																						
2028	196,000	196,000	0																						
2031	196,000	196,000	0																						
	592,000	592,000	0																						
LTD Amount: 0		Total Project Cost: 592,000																							

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2025	TBD	Mark Thomas	Dec 31, 2031

Number:	3509PZ	Scenario:	Main
Title:	Official Plan 5 Year Review and Study Update	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Master Plans
Division:	Capital - Community Services	Project Type:	PLANNING & ZONING
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for the completion of various studies including the Population, Household and Employment Forecast and Parks Master Plan leading to the 5-year review of the City's Official Plan.	<p>The City's Official Plan requires a review every 5 years. In order to complete the review, a number of background studies have been completed. This project will enable the update to the City's Parks Master Plan (2021) and the Population, Household and Employment Forecast (2019). These studies are in addition to the Parks and Active Transportation Plan Update (2019).</p> <p>The Official Plan review has been on pause over the past few years as a result of COVID (Province requested) and the number of Planning Act changes over the past few years.</p> <p>It is anticipated that the updated Official Plan will be brought forward to Council for review and, subsequently, submitted to the Province for approval in 2024/2025.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2028</td> <td>245,169</td> <td>245,169</td> <td>0</td> </tr> <tr> <td></td> <td>245,169</td> <td>245,169</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 335,906</td> <td colspan="2">Total Project Cost: 581,075</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2028	245,169	245,169	0		245,169	245,169	0	LTD Amount: 335,906		Total Project Cost: 581,075		
Budget Year	Total Expense	Total Revenue	Difference														
2028	245,169	245,169	0														
	245,169	245,169	0														
LTD Amount: 335,906		Total Project Cost: 581,075															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2017	TBD	Beverley Hillier	Dec 31, 2028

Number:	3518PR	Scenario:	Main
Title:	King's Landing Commercialization of Waterfront	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
The program provides for the development of infrastructure at the Waterfront to support commercial investment.	<p>In July 2019, Council approved the Preferred Alternative for the phased replacement of the King's Landing Wharf with a naturalized spit and expansion of the pier on the south side of the marina as recommended by the Schedule C, Class Environmental Assessment (EA) as shown on Appendix 'A' attached to Report to Council EESW 2019-13. Council also directed Staff to complete the Schedule C, Class EA Report and table it for the 30 day review period.</p> <p>The preferred alternative includes 4 phases: Phase 1: Major Rehabilitation of Existing King's Landing Phase 2: Construct New South Pier / Commercial Area Phase 3: Construct Rock Fill Wavebreak Phase 4: Landscape / Naturalize Wavebreak</p> <p>In June 2020 MECP notified the City that they had no further input or objections to the Project. Therefore, the Schedule C, Class EA is complete.</p> <p>Final design and issuance of a tender for construction of the preferred alternative will be initiated depending on the availability of the necessary funding and direction of Council.</p> <p>In the meantime, continued maintenance of King's Landing has been budgeted.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																												
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2026</td> <td>980,000</td> <td>980,000</td> <td>0</td> </tr> <tr> <td>2027</td> <td>4,998,000</td> <td>4,998,000</td> <td>0</td> </tr> <tr> <td>2028</td> <td>4,998,000</td> <td>4,998,000</td> <td>0</td> </tr> <tr> <td>2029</td> <td>4,998,000</td> <td>4,998,000</td> <td>0</td> </tr> <tr> <td></td> <td>15,974,000</td> <td>15,974,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 756,181</td> <td colspan="2">Total Project Cost: 16,730,181</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2026	980,000	980,000	0	2027	4,998,000	4,998,000	0	2028	4,998,000	4,998,000	0	2029	4,998,000	4,998,000	0		15,974,000	15,974,000	0	LTD Amount: 756,181		Total Project Cost: 16,730,181		
Budget Year	Total Expense	Total Revenue	Difference																										
2026	980,000	980,000	0																										
2027	4,998,000	4,998,000	0																										
2028	4,998,000	4,998,000	0																										
2029	4,998,000	4,998,000	0																										
	15,974,000	15,974,000	0																										
LTD Amount: 756,181		Total Project Cost: 16,730,181																											

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2015	TBD	Gerry McCrank	Dec 31, 2029

Number:	3700RD	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the widening and reconstruction of Seymour Street from just east of Station Road to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the north side of the roadway. Underground works include the installation of new storm sewers and repair/rehabilitation/replacement of sanitary sewers and watermains.</p>	<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA) and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Budget includes funding through the Northern Ontario Resources Development Support (NORDS) Fund.</p> <p>Related projects include 3700SS/ST/WS and 4500RD/SS/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>3,530,000</td> <td>3,530,000</td> <td>0</td> </tr> <tr> <td></td> <td>3,530,000</td> <td>3,530,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 176,400</td> <td colspan="2">Total Project Cost: 3,706,400</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	3,530,000	3,530,000	0		3,530,000	3,530,000	0	LTD Amount: 176,400		Total Project Cost: 3,706,400		
Budget Year	Total Expense	Total Revenue	Difference														
2025	3,530,000	3,530,000	0														
	3,530,000	3,530,000	0														
LTD Amount: 176,400		Total Project Cost: 3,706,400															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2023	25 Years	Adam Lacombe	Dec 31, 2026

Number:	3700SS	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the widening and reconstruction of Seymour Street from just east of Station Road to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the north side of the roadway. Underground works include the installation of new storm sewers and repair/rehabilitation/replacement of sanitary sewers and watermains.</p>	<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA) and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Related projects include 3700RD/ST/WS and 4500RD/SS/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>1,120,000</td> <td>1,120,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,120,000</td> <td>1,120,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 58,800</td> <td colspan="2">Total Project Cost: 1,178,800</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	1,120,000	1,120,000	0		1,120,000	1,120,000	0	LTD Amount: 58,800		Total Project Cost: 1,178,800		
Budget Year	Total Expense	Total Revenue	Difference														
2025	1,120,000	1,120,000	0														
	1,120,000	1,120,000	0														
LTD Amount: 58,800		Total Project Cost: 1,178,800															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	3700ST	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the widening and reconstruction of Seymour Street from just east of Station Road to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the north side of the roadway. Underground works include the installation of new storm sewers and repair/rehabilitation/replacement of sanitary sewers and watermains.</p>		<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA) and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Budget includes funding through the Northern Ontario Resources Development Support (NORDS) Fund.</p> <p>Related projects include 3700RD/SS/WS and 4500RD/SS/ST/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	1,500,000	1,500,000	0
	1,500,000	1,500,000	0
LTD Amount: 68,600		Total Project Cost: 1,568,600	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2023	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2026

Number:	3700WS	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the widening and reconstruction of Seymour Street from just east of Station Road to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the north side of the roadway. Underground works include the installation of new storm sewers and repair/rehabilitation/replacement of sanitary sewers and watermains.</p>		<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA) and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>The work will be constructed in one phase subsequent to the completion of the construction and improvement at the intersection of Highway 11/17 and Seymour.</p> <p>Related projects include 3700RD/SS/ST and 4500RD/SS/ST/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	3,840,000	3,840,000	0
	3,840,000	3,840,000	0
LTD Amount: 196,000		Total Project Cost: 4,036,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2023	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2026

Number:	3701RD	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the connection of Norman Avenue to Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.</p>	<p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.</p> <p>In addition, the study identified that future development would require watermain distribution improvements, including a new 600 mm watermain system along Norman Avenue, Chapais Street and Lansdowne Avenue.</p> <p>Related projects include 3701ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2033	100,000	100,000	0														
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LTD Amount: 0	Total Project Cost: 100,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	25 Years	Adam Lacombe	Dec 31, 2036

Number:	3701ST	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the connection of Norman Avenue to Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.</p>	<p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.</p> <p>In addition, the study identified that future development would require watermain distribution improvements, including a new 600 mm watermain system along Norman Avenue, Chapais Street and Lansdowne Avenue.</p> <p>Related projects include 3701RD/WS.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	3701WS	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the connection of Norman Avenue to Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.</p>	<p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.</p> <p>In addition, the study identified that future development would require watermain distribution improvements including a new 600 mm watermain system along Norman Avenue, Chapais Street, and Lansdowne Avenue.</p> <p>Related projects include 3701RD/ST.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference														
2033	105,000	105,000	0														
	105,000	105,000	0														
LTD Amount: 0		Total Project Cost: 105,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	3702PR	Scenario:	Main
Title:	Waterfront Building Rehab and Development	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development, Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
The program provides for the rehabilitation and/or development of Waterfront (Park) tourist related commercial attractions and/or related facilities (washrooms etc.).	<p>The City completed a Waterfront Tourism Attraction Feasibility Study (2014) and a Downtown Waterfront Land Use Master Plan (2017) which identified that future components of the Waterfront and Downtown should include development of commercial attractions and related facilities. These were followed by the completion of the King's Landing Redevelopment EA in 2019 which identified the preferred option for the redevelopment of King's Landing.</p> <p>The funding projected in 2027/ 2028 is for the necessary modernization and functional improvements of the City owned waterfront and marina facilities in a way that supports and is aligned to the commercialization of the Waterfront and redevelopment of King's Landing as outlined by the above studies and visions.</p> <p>If the commercialization as envisioned in the various studies and plans (Waterfront Tourism Attraction Feasibility Study, the Downtown Waterfront Master Plan, and King's Landing EA) does not move forward in a timely fashion the budgeted funds will be required to rehabilitate and modernize the current facilities to meet current needs and functional standards.</p> <p>Planning and design development is scheduled for 2027 and construction to follow in 2028.</p>

Scenario Description	Scenario Comments

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2028	1,764,000	1,764,000	0																		
	1,960,000	1,960,000	0																		
LTD Amount: 0		Total Project Cost: 1,960,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2027	TBD	David Jackowski	Dec 31, 2028

Number:	3715RD	Scenario:	Main
Title:	Pinewood Park & Lakeshore Drive Intersection Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services to reconstruct the intersection of Pinewood Park and Lakeshore Drive. Engineering services will include detailed design, agency approvals, contract drawings, specifications, tendering, and construction.</p> <p>Road works include the road base aggregates, asphalt, curb, gutter, and grass boulevard.</p>		<p>With the water and sanitary servicing works complete along Pinewood Park, future growth along the corridor will change the traffic patterns and volumes. The current intersection configuration may not support the change in traffic and will need to be reconstructed to a new configuration. This intersection was included in the Municipal Class Environmental Assessment for Lakeshore Drive and Pinewood Park Drive that was concluded in 2023. The preferred alternative for the intersection is a roundabout.</p> <p>Related project includes 4005RD.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	4,120,000	4,120,000	0
	4,120,000	4,120,000	0
LTD Amount: 600,000		Total Project Cost: 4,720,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2017	Jan 1, 2020	25 Years	Reid Porter
			Completion Date
			Dec 31, 2025

Number:	3801RD	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering design and construction services for the complete reconstruction of the above-ground and below ground infrastructure and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>McKeown Avenue is a primary arterial route between Algonquin Avenue and Gormanville Road, but the portion from Gormanville to Cartier is currently not constructed to an arterial standard. An Environmental Assessment completed in the early 2000's and subsequent studies in connection to development projects have identified and supported the need to increase the road to 4-lanes. An update to the Environmental Assessment was concluded in 2023 and confirmed a 4-lane width is needed, as well as new traffic signals and turning lanes at the McNamarras intersection, and turning lanes at the Cartier intersection as well.</p> <p>The sanitary sewer and watermain will be reaching a typical end of useful life age and will be replaced as part of the project. Upgrades to the storm sewer system are also included to increase the capacity of the system. The project also includes a new multi-use path along the south side of the roadway.</p> <p>The budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>Related projects include 3801RD/ST/WS & 4307RD</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2020	25 Years	Reid Porter	Dec 31, 2026

Number:	3801SS	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering design and construction services for the complete reconstruction of the above-ground and below ground infrastructure and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>McKeown Avenue is a primary arterial route between Algonquin Avenue and Gormanville Road, but the portion from Gormanville to Cartier is currently not constructed to an arterial standard. An Environmental Assessment completed in the early 2000's and subsequent studies in connection to development projects have identified and supported the need to increase the road to 4-lanes. An update to the Environmental Assessment was concluded in 2023 and confirmed a 4-lane width is needed, as well as new traffic signals and turning lanes at the McNamarra intersection, and turning lanes at the Cartier intersection as well.</p> <p>The sanitary sewer and watermain will be reaching a typical end of useful life age and will be replaced as part of the project. Upgrades to the storm sewer system are also included to increase the capacity of the system. The project also includes a new multi-use path along the south side of the roadway.</p> <p>The budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>Related projects include 3801RD/ST/WS & 4307RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2020	75 Years	Reid Porter	Dec 31, 2026

Number:	3801ST	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering design and construction services for the complete reconstruction of the above-ground and below ground infrastructure and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>McKeown Avenue is a primary arterial route between Algonquin Avenue and Gormanville Road, but the portion from Gormanville to Cartier is currently not constructed to an arterial standard. An Environmental Assessment completed in the early 2000's and subsequent studies in connection to development projects have identified and supported the need to increase the road to 4-lanes. An update to the Environmental Assessment was concluded in 2023 and confirmed a 4-lane width is needed, as well as new traffic signals and turning lanes at the McNamarras intersection, and turning lanes at the Cartier intersection as well.</p> <p>The sanitary sewer and watermain will be reaching a typical end of useful life age and will be replaced as part of the project. Upgrades to the storm sewer system are also included to increase the capacity of the system. The project also includes a new multi-use path along the south side of the roadway.</p> <p>The budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>Related projects include 3801RD/ST/WS & 4307RD</p>

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2020	75 Years	Reid Porter	Dec 31, 2026

Number:	3801WS	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering design and construction services for the complete reconstruction of the above-ground and below ground infrastructure and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>McKeown Avenue is a primary arterial route between Algonquin Avenue and Gormanville Road, but the portion from Gormanville to Cartier is currently not constructed to an arterial standard. An Environmental Assessment completed in the early 2000's and subsequent studies in connection to development projects have identified and supported the need to increase the road to 4-lanes. An update to the Environmental Assessment was concluded in 2023 and confirmed a 4-lane width is needed, as well as new traffic signals and turning lanes at the McNamarra intersection, and turning lanes at the Cartier intersection as well.</p> <p>The sanitary sewer and watermain will be reaching a typical end of useful life age and will be replaced as part of the project. Upgrades to the storm sewer system are also included to increase the capacity of the system. The project also includes a new multi-use path along the south side of the roadway.</p> <p>The budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>Related projects include 3801RD/ST/WS & 4307RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>810,000</td> <td>810,000</td> <td>0</td> </tr> <tr> <td></td> <td>810,000</td> <td>810,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 1,200,000</td> <td colspan="2">Total Project Cost: 2,010,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	810,000	810,000	0		810,000	810,000	0	LTD Amount: 1,200,000		Total Project Cost: 2,010,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>810,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>810,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>810,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>810,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	810,000	Total Expense:		810,000	Revenue			0461	TSF FRM REV FUND-PAYGO	810,000	Total Revenue:		810,000
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2020	75 Years	Reid Porter	Dec 31, 2026

Number:	3802RD	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100 mm distribution watermain, adding a new 400 mm transmission watermain, and adding a new 500 mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An Environmental Assessment will also be conducted to look at road upgrades.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p> <p>Related projects include Phase 1- 4125RD/ST/SS/WS, Phase 2- 3802RD/SS/WS</p>

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Budget Year	Total Expense	Total Revenue	Difference														
2033	445,000	445,000	0														
	445,000	445,000	0														
LTD Amount: 0	Total Project Cost: 445,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	25 Years	Adam Lacombe	Dec 31, 2036

Number:	3802SS	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100 mm distribution watermain, adding a new 400 mm transmission watermain, and adding a new 500 mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An Environmental Assessment will also be conducted to look at road upgrades.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	3802ST	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100 mm distribution watermain, adding a new 400 mm transmission watermain, and adding a new 500 mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An Environmental Assessment will also be conducted to look at road upgrades.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	3802WS	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100 mm distribution watermain, adding a new 400 mm transmission watermain, and adding a new 500 mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An Environmental Assessment will also be conducted to look at road upgrades.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	3810RD	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p> <p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design.</p> <p>Upgrading the road to a proper collector standard will be evaluated, including upgrading to curb and gutter and storm sewer system. The condition of the watermain will also be evaluated for repair/ rehabilitation/ reconstruction needs.</p> <p>Related projects include 3810ST/SS/WS.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2028	25 Years	Adam Lacombe	Dec 31, 2031

Number:	3810SS	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p> <p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design.</p> <p>Upgrading the road to a proper collector standard will be evaluated, including upgrading to curb and gutter and storm sewer system. The condition of the watermain will also be evaluated for repair/ rehabilitation/ reconstruction needs.</p> <p>Related projects include 3810RD/ST/WS.</p>

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LTD Amount: 0		Total Project Cost: 7,060,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2028	75 Years	Adam Lacombe	Dec 31, 2031

Number:	3810ST	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p> <p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design.</p> <p>Upgrading the road to a proper collector standard will be evaluated, including upgrading to curb and gutter and storm sewer system. The condition of the watermain will also be evaluated for repair/ rehabilitation/ reconstruction needs.</p> <p>Related projects include 3810RD/SS/WS.</p>

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2030	1,490,000	1,490,000	0																		
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LTD Amount: 0		Total Project Cost: 1,570,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2028	75 Years	Adam Lacombe	Dec 31, 2031

Number:	3810WS	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p> <p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design.</p> <p>Upgrading the road to a proper collector standard will be evaluated, including upgrading to curb and gutter and storm sewer system. The condition of the watermain will also be evaluated for repair/ rehabilitation/ reconstruction needs.</p> <p>Related projects include 3810RD/ST/SS.</p>

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LTD Amount: 0		Total Project Cost: 2,345,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2028	75 Years	Adam Lacombe	Dec 31, 2031

Number:	3812RD	Scenario:	Main
Title:	Lakeshore Dr. (ONR Overpass)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
The project involves the necessary remedial works to the structure to repair various components of the Lakeshore Drive Overpass (over ONR and CP Rail).		The Lakeshore Drive Overpass is the City's largest bridge structure. Major rehabilitation and reconstruction works were carried out in 2016/2017 including the abutments, abutment seats, piers, pier caps, etc., as well as replacement of the bridge deck including asphalt, sidewalks, curb and gutter, barrier wall and street lights. Additional rehabilitation works have been identified for the future.	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2024 to 2032: 2026 Perform a bridge inspection and assessment 2031 Repairs and rehab based on the assessment performed in 2026	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2032	35,000	35,000	0
2033	320,000	320,000	0
	355,000	355,000	0
LTD Amount: 0		Total Project Cost: 355,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2032	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2034

Number:	3813RD	Scenario:	Main
Title:	Trout Lake Rd. (ONR Overpass)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
The project involves the necessary remedial works to repair the Trout Lake Road Overpass over the ONR tracks.		The Trout Lake Road Overpass is the City's second largest bridge structure. Significant rehabilitation works were carried out in 2017 including rehabilitation to the wearing surface, sidewalk, curb, median and barrier walls. Additional rehabilitation works have been identified for the future.	

Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2024 to 2032: 2026 Perform a bridge inspection and assessment 2031 Repairs and rehab based on the assessment performed in 2026	

Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2032	35,000	35,000	0
2033	320,000	320,000	0
	355,000	355,000	0
LTD Amount: 0		Total Project Cost: 355,000	

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2034

Number:	3818RD	Scenario:	Main
Title:	Premier Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the replacement of the Premier lift station as well as all of the equipment within.	The station is at the end of its useful life and requires full replacement. A Municipal Class Environmental Assessment was commenced in 2021 and will evaluate various alternatives, including various sites for the new lift station. Related projects include 3818SS.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>700,000</td> <td>700,000</td> <td>0</td> </tr> <tr> <td></td> <td>700,000</td> <td>700,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 650,000</td> <td colspan="2">Total Project Cost: 1,350,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	700,000	700,000	0		700,000	700,000	0	LTD Amount: 650,000		Total Project Cost: 1,350,000		
Budget Year	Total Expense	Total Revenue	Difference														
2025	700,000	700,000	0														
	700,000	700,000	0														
LTD Amount: 650,000		Total Project Cost: 1,350,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2025	25 Years	Gerry McCrank	Dec 31, 2026

Number:	3818SS	Scenario:	Main
Title:	Premier Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The program will allow for the replacement of the Premier lift station as well as all of the equipment within.	The station is at the end of its useful life and requires full replacement. A Municipal Class Environmental Assessment was commenced in 2021 and will evaluate various alternatives, including various sites for the new lift station. Related project includes 3818RD.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2025	1,420,000	1,420,000	0														
	1,420,000	1,420,000	0														
LTD Amount: 2,850,000		Total Project Cost: 4,270,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2025	50	Gerry McCrank	Dec 31, 2026

Number:	3822PK	Scenario:	Main
Title:	Parking Strategy for Downtown and Waterfront	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
Downtown (Waterfront) Parking Operations and Strategy Review. The Parking Strategy will guide the timing, location, and changes to parking in the Downtown Waterfront area of North Bay.	Historically the City has completed a Downtown Parking Operations and Strategy Review every 5-10 years. The last review was completed in 2012. Prior to initiating a new operations and strategy review, it was determined that the review should consider the outcomes and recommendations of the Downtown Waterfront Advisory Committee, the Downtown Waterfront Master Plan and a Traffic Review initiated by Engineering. The Downtown Waterfront Advisory Committee has recommended that the City update and review the current parking strategy for the Downtown Waterfront. The parking strategy should be used to guide the timing, location and changes to the parking in the Downtown and at the Waterfront. The detailed needs determined through this project will inform the future plans for parking structures through project 4201PK.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>75,000</td> <td>75,000</td> <td>0</td> </tr> <tr> <td></td> <td>75,000</td> <td>75,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 76,750</td> <td colspan="2">Total Project Cost: 151,750</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	75,000	75,000	0		75,000	75,000	0	LTD Amount: 76,750		Total Project Cost: 151,750		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3130</td> <td>CONSULTANT FEES</td> <td>75,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>75,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>75,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>75,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3130	CONSULTANT FEES	75,000	Total Expense:		75,000	Revenue			0461	TSF FRM REV FUND-PAYGO	75,000	Total Revenue:		75,000
Budget Year	Total Expense	Total Revenue	Difference																																			
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019			Dec 31, 2024

Number:	3823FD	Scenario:	Main
Title:	Fire Master Plan	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Master Plans
Division:	Capital - Community Services	Project Type:	FIRE DEPARTMENT
Budget Year:	2024	Active:	Yes

Description	Comments
The purpose of this project is to identify the fire protection needs of the community in the short and long term and to balance these needs against the municipal goals and objectives.	Master Plans are comprehensive long-range municipal planning documents that guide how a community's future growth and development will occur through investment over time. Master Plans often begin with an assessment of current conditions, and consider strategies for gradual improvement. The Fire Master Plan will help to ensure our delivery of fire protection and related services keeps pace with development, technology, and continued growth in North Bay.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2029</td> <td>88,200</td> <td>88,200</td> <td>0</td> </tr> <tr> <td></td> <td>88,200</td> <td>88,200</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 88,200</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2029	88,200	88,200	0		88,200	88,200	0	LTD Amount: 0		Total Project Cost: 88,200		
Budget Year	Total Expense	Total Revenue	Difference														
2029	88,200	88,200	0														
	88,200	88,200	0														
LTD Amount: 0		Total Project Cost: 88,200															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2029	TBD	Jason Whiteley	Dec 31, 2029

Number:	3825SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Intake Chamber Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation/ replacement of the intake chamber at the Wastewater Treatment Plant.	The sewage intake chamber has been identified as being past its anticipated service life and is due for significant rehabilitation or replacement. There is currently only one intake chamber which receives all sewage for the entire City of North Bay. This project will increase reliability and will look at options for flood mitigation of the intake chambers when Lake Nipissing levels become high.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																											
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>5,659,944</td> <td>5,659,944</td> <td>0</td> </tr> <tr> <td></td> <td>5,659,944</td> <td>5,659,944</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 5,686,500</td> <td colspan="2">Total Project Cost: 11,346,444</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	5,659,944	5,659,944	0		5,659,944	5,659,944	0	LTD Amount: 5,686,500		Total Project Cost: 11,346,444		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>5,659,944</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>5,659,944</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>559,944</td> </tr> <tr> <td>0699</td> <td>MISC FEDERAL GRANTS</td> <td>3,100,000</td> </tr> <tr> <td>5901</td> <td>DEBENTURE PROCEEDS</td> <td>2,000,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>5,659,944</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	5,659,944	Total Expense:		5,659,944	Revenue			0461	TSF FRM REV FUND-PAYGO	559,944	0699	MISC FEDERAL GRANTS	3,100,000	5901	DEBENTURE PROCEEDS	2,000,000	Total Revenue:		5,659,944
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2022	80 Years	Karin Pratte	Dec 31, 2026

Number:	3828WS	Scenario:	Main
Title:	West Ferris Trunk Watermain Relining	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project will involve the installation of a structural liner that will reinforce the existing West Ferris trunk watermain.	This project will involve the 500mm trunk watermain that supplies the majority of the West Ferris area and has a history of breaks.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2031	1,850,000	1,850,000	0														
	1,850,000	1,850,000	0														
LTD Amount: 975,060		Total Project Cost: 2,825,060															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2031	75 Years	Gerry McCrank	Dec 31, 2031

Number:	3830GD	Scenario:	Main
Title:	Merrick Landfill Gas (LFG) Collection Infrastructure	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Environmental
Division:	Capital - Infrastructure & Operations	Project Type:	WASTE DISPOSAL
Budget Year:	2024	Active:	Yes

Description	Comments
The program involves the construction of a LFG collection system in each of the landfill cells as the landfill expands. The collection system includes piping, valves, controls, and wells.	Collection of landfill gases is necessary to remain compliant with Merrick Landfill's Certificate of Approval and to efficiently supply landfill gas to Merrick's Gas Utilization System. Expansion is related to the timing of the filling of the working Cell and Landfill Leachate Management Cell expansion, which is done, approximately, every 4-5 years. Funding from Merrick Reserves (99515R) will be utilized. Related project includes 4203GD.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																												
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2026</td> <td>150,000</td> <td>150,000</td> <td>0</td> </tr> <tr> <td>2027</td> <td>637,000</td> <td>637,000</td> <td>0</td> </tr> <tr> <td>2030</td> <td>147,000</td> <td>147,000</td> <td>0</td> </tr> <tr> <td>2031</td> <td>637,000</td> <td>637,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,571,000</td> <td>1,571,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 685,824</td> <td colspan="2">Total Project Cost: 2,256,824</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2026	150,000	150,000	0	2027	637,000	637,000	0	2030	147,000	147,000	0	2031	637,000	637,000	0		1,571,000	1,571,000	0	LTD Amount: 685,824		Total Project Cost: 2,256,824		
Budget Year	Total Expense	Total Revenue	Difference																										
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2027	637,000	637,000	0																										
2030	147,000	147,000	0																										
2031	637,000	637,000	0																										
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LTD Amount: 685,824		Total Project Cost: 2,256,824																											

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2021	20 Years	Karin Pratte	Dec 31, 2031

Number:	3900RD	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.</p> <p>The project will include reconstruction of Cedar Heights Road as well as installation of a new sanitary sewer.</p> <p>This will be the first phase of the project and will extend from the College Drive/ Larocque Road intersection easterly approximately 800m. The services will extend from the existing services at the College Drive/ Larocque Road intersection.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.</p> <p>Related projects include 3900ST/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2032	320,000	320,000	0														
	320,000	320,000	0														
LTD Amount: 0	Total Project Cost: 320,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2035

Number:	3900SS	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.</p> <p>The project will include reconstruction of Cedar Heights Road as well as installation of a new sanitary sewer.</p> <p>This will be the first phase of the project and will extend from the College Drive/ Larocque Road intersection easterly approximately 800m. The services will extend from the existing services at the College Drive/ Larocque Road intersection.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.</p> <p>Related projects include 3900RD/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2032	195,000	195,000	0														
	195,000	195,000	0														
LTD Amount: 0		Total Project Cost: 195,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	3900ST	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.</p> <p>The project will include reconstruction of Cedar Heights Road as well as installation of a new sanitary sewer.</p> <p>This will be the first phase of the project and will extend from the College Drive/ Larocque Road intersection easterly approximately 800m. The services will extend from the existing services at the College Drive/ Larocque Road intersection.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.</p> <p>Related projects include 3900RD/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2032	135,000	135,000	0														
	135,000	135,000	0														
LTD Amount: 0	Total Project Cost: 135,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	3900WS	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.</p> <p>The project will include reconstruction of Cedar Heights Road as well as installation of a new sanitary sewer.</p> <p>This will be the first phase of the project and will extend from the College Drive/ Larocque Road intersection easterly approximately 800m. The services will extend from the existing services at the College Drive/ Larocque Road intersection.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.</p> <p>Related projects include 3900RD/ST/SS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>325,000</td> <td>325,000</td> <td>0</td> </tr> <tr> <td></td> <td>325,000</td> <td>325,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 325,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	325,000	325,000	0		325,000	325,000	0	LTD Amount: 0	Total Project Cost: 325,000			
Budget Year	Total Expense	Total Revenue	Difference														
2032	325,000	325,000	0														
	325,000	325,000	0														
LTD Amount: 0	Total Project Cost: 325,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	3905WS	Scenario:	Main
Title:	Cedar Heights Rd. - Larocque BPS	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project is to provide for the construction of the Larocque booster pumping station (BPS).</p> <p>The third phase of the Cedar Heights water infrastructure upgrades and expansion is to construct a booster pumping station near the Larocque standpipe. Under certain conditions some areas serviced by the standpipe will not have sufficient pressure to meet current standards; therefore, a booster station is required to increase the pressure.</p>	<p>Engineering services were previously completed for an environmental assessment, preliminary design, detailed design, agency approvals, and contract drawings. Since the design will be on the shelf, immediately prior to tendering and construction, the design will need to be reviewed again and updated for any changes in conditions since the original completion, including any physical changes to the site, changes in standards or regulations, etc.</p> <p>Construction of Phase 1 was completed in 2015, and included construction of the Cedar Heights booster pumping station on College Drive, as well as the installation of sewer and water and a pathway on College drive. Phase 2 was completed in 2020 and included continuation of the sewer and water installation as well as a standpipe on Larocque Road.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>55,000</td> <td>55,000</td> <td>0</td> </tr> <tr> <td>2027</td> <td>4,380,000</td> <td>4,380,000</td> <td>0</td> </tr> <tr> <td></td> <td>4,435,000</td> <td>4,435,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 4,435,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	55,000	55,000	0	2027	4,380,000	4,380,000	0		4,435,000	4,435,000	0	LTD Amount: 0		Total Project Cost: 4,435,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2025	55,000	55,000	0																		
2027	4,380,000	4,380,000	0																		
	4,435,000	4,435,000	0																		
LTD Amount: 0		Total Project Cost: 4,435,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2013	Jan 1, 2025	50 Years	Adam Lacombe	Dec 31, 2028

Number:	3908ST	Scenario:	Main
Title:	Trunk Sewer Rehab - Eastview Tributary System	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the rehabilitation of the Eastview Tributary Storm System. The works will include trenchless technologies to preserve the existing pipe works and extend the system's life. The Eastview Tributary is part of the Chippewa Creek watershed and generally runs from Ski Club Road south towards Northgate Square.</p> <p>A portion of the watercourse north of Trout Lake Road is enclosed in a storm sewer which runs along a back lot easement of the residential properties on the east side of Laurentian Avenue.</p> <p>Engineering services will include survey, condition inspection, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>This work is being done as a preventative treatment at minimum cost to avoid potential collapse and emergency replacement. The trenchless methods are very cost effective by not requiring surface restorations and significant disturbance to the surrounding neighbourhood.</p> <p>The work will be constructed in one phase.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>130,000</td> <td>130,000</td> <td>0</td> </tr> <tr> <td>2033</td> <td>1,310,000</td> <td>1,310,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,440,000</td> <td>1,440,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 1,440,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	130,000	130,000	0	2033	1,310,000	1,310,000	0		1,440,000	1,440,000	0	LTD Amount: 0		Total Project Cost: 1,440,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2032	130,000	130,000	0																		
2033	1,310,000	1,310,000	0																		
	1,440,000	1,440,000	0																		
LTD Amount: 0		Total Project Cost: 1,440,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2034

Number:	3909RD	Scenario:	Main
Title:	Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the replacement of 100mm watermains in various locations of the downtown area, including 100mm watermains on Wyld Street, Worthington Street, Sherbrooke Street, and Second Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>	<p>Historically, 100mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, a Fire Underwriter's Survey identified an excessive amount of 100mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p> <p>The project will be constructed in one phase. The related projects include 3909SS/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2032	160,000	160,000	0																		
2033	3,060,000	3,060,000	0																		
	3,220,000	3,220,000	0																		
LTD Amount: 0		Total Project Cost: 3,220,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2035

Number:	3909SS	Scenario:	Main
Title:	Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the replacement of 100mm watermains in various locations of the downtown area, including 100mm watermains on Wyld Street, Worthington Street, Sherbrooke Street, and Second Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>		<p>Historically, 100mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, a Fire Underwriter's Survey identified an excessive amount of 100mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p> <p>The project will be constructed in one phase. The related projects include 3909RD/ST/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2032	100,000	100,000	0
2033	1,870,000	1,870,000	0
	1,970,000	1,970,000	0
LTD Amount: 0		Total Project Cost: 1,970,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2032	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2035

Number:	3909ST	Scenario:	Main
Title:	Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the replacement of 100mm watermains in various locations of the downtown area, including 100mm watermains on Wyld Street, Worthington Street, Sherbrooke Street, and Second Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>	<p>Historically, 100mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, a Fire Underwriter's Survey identified an excessive amount of 100mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p> <p>The project will be constructed in one phase. The related projects include 3909RD/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2032	70,000	70,000	0																		
2033	1,310,000	1,310,000	0																		
	1,380,000	1,380,000	0																		
LTD Amount: 0		Total Project Cost: 1,380,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	3909WS	Scenario:	Main
Title:	Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the replacement of 100mm watermains in various locations of the downtown area, including 100mm watermains on Wyld Street, Worthington Street, Sherbrooke Street, and Second Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>	<p>Historically, 100mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, a Fire Underwriter's Survey identified an excessive amount of 100mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p> <p>The project will be constructed in one phase. The related projects include 3909RD/SS/ST.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2032	105,000	105,000	0																		
2033	1,950,000	1,950,000	0																		
	2,055,000	2,055,000	0																		
LTD Amount: 0		Total Project Cost: 2,055,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	3910ST	Scenario:	Main
Title:	Chippewa Creek and Airport Heights Stormwater Retention	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to construct a stormwater management (SWM) pond approximately 350 meters east of O'Brien Street and 150 meters north of Airport Road and to construct a drainage channel and recreational pathway/ maintenance road from Kenwood Hills Drive to the pond.</p> <p>For new development on the north side of Airport Road, the pond will provide quantity control to mitigate flooding impacts in Chippewa Creek. The pond will also provide quality control to mitigate sedimentation into the creek for a significant portion of the existing and future development in the Airport Heights area.</p>	<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The Chippewa Creek Watershed Study identified that future development in the Airport Heights area would require quantity and quality control. The Highland Woods development was allowed to proceed based on the SWM requirements being met by the construction of this SWM pond. The SWM pond, channel, and recreational pathway/ maintenance road will be constructed in one phase.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2028</td> <td>3,380,000</td> <td>3,380,000</td> <td>0</td> </tr> <tr> <td></td> <td>3,380,000</td> <td>3,380,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 50,000</td> <td colspan="3">Total Project Cost: 3,430,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2028	3,380,000	3,380,000	0		3,380,000	3,380,000	0	LTD Amount: 50,000	Total Project Cost: 3,430,000			
Budget Year	Total Expense	Total Revenue	Difference														
2028	3,380,000	3,380,000	0														
	3,380,000	3,380,000	0														
LTD Amount: 50,000	Total Project Cost: 3,430,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2022	50 Years	Adam Lacombe	Dec 31, 2029

Number:	3919RD	Scenario:	Main
Title:	Metcalfe St - Laurier to End	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Metcalfe St from Laurier southwesterly to the dead-end.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance. Construction will be undertaken by the City's Sewer & Water Department.</p>		<p>The pavement structure on Metcalfe St from Laurier to the dead-end has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. The roadway is not constructed to current standards and has no formal drainage system - i.e., no ditches and no curb and gutter system. Drainage issues are apparent throughout. The underground infrastructure (sanitary and water) is also at the end of its useful life and requires replacement. The road will be brought up to a current local road standard.</p> <p>Related projects include 3919ST/SS/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	760,000	760,000	0
	760,000	760,000	0
LTD Amount: 40,000		Total Project Cost: 800,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2021	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2028

Number:	3919SS	Scenario:	Main
Title:	Metcalfe St - Laurier to End	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Metcalfe St from Laurier southwesterly to the dead-end.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance. Construction will be undertaken by the City's Sewer & Water Department.</p>		<p>The pavement structure on Metcalfe St from Laurier to the dead-end has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. The roadway is not constructed to current standards and has no formal drainage system - i.e., no ditches and no curb and gutter system. Drainage issues are apparent throughout. The underground infrastructure (sanitary and water) is also at the end of its useful life and requires replacement. The road will be brought up to a current local road standard.</p> <p>Related projects include 3919RD/ST/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	760,000	760,000	0
	760,000	760,000	0
LTD Amount: 30,000		Total Project Cost: 790,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2021	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2028

Number:	3919ST	Scenario:	Main
Title:	Metcalfe St - Laurier to End	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Metcalfe St from Laurier southwesterly to the dead-end.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance. Construction will be undertaken by the City's Sewer & Water Department.</p>		<p>The pavement structure on Metcalfe St from Laurier to the dead-end has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. The roadway is not constructed to current standards and has no formal drainage system - i.e., no ditches and no curb and gutter system. Drainage issues are apparent throughout. The underground infrastructure (sanitary and water) is also at the end of its useful life and requires replacement. The road will be brought up to a current local road standard.</p> <p>Related projects include 3919RD/SS/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	530,000	530,000	0
	530,000	530,000	0
LTD Amount: 30,000		Total Project Cost: 560,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2021	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2028

Number:	3919WS	Scenario:	Main
Title:	Metcalfe St - Laurier to End	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Metcalfe St from Laurier southwesterly to the dead-end.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance. Construction will be undertaken by the City's Sewer & Water Department.</p>		<p>The pavement structure on Metcalfe St from Laurier to the dead-end has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. The roadway is not constructed to current standards and has no formal drainage system - i.e., no ditches and no curb and gutter system. Drainage issues are apparent throughout. The underground infrastructure (sanitary and water) is also at the end of its useful life and requires replacement. The road will be brought up to a current local road standard.</p> <p>Related projects include 3919RD/ST/SS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	790,000	790,000	0
	790,000	790,000	0
LTD Amount: 30,000		Total Project Cost: 820,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2021	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2028

Number:	3926GD	Scenario:	Main
Title:	Merrick Landfill Lifecycle Extension Environmental Assessment	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	WASTE DISPOSAL
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for the environmental assessment and analysis to extend the lifecycle of the existing Merrick Landfill site.		The existing footprint for waste disposal at the Merrick Landfill site is expected to be full (approximately) by the year 2036. It typically takes 10 to 15 years in order to get approval for expansion on an existing landfill site. This project provides for the environmental assessment and analysis to extend the lifecycle of the existing Merrick Landfill site.	

Scenario Description		Scenario Comments	

Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	490,000	490,000	0
2028	1,568,000	1,568,000	0
2029	5,782,000	5,782,000	0
	7,840,000	7,840,000	0
LTD Amount: 100,000		Total Project Cost: 7,940,000	

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2019	Jan 1, 2021	TBD	Karin Pratte	Dec 31, 2029

Number:	3932RD	Scenario:	Main
Title:	Lakeshore Dr. - Jessups Creek to Premier Road	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain as well as replacement of the storm sewer system. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Restoration will include the road base aggregates, asphalt, curb, gutters, grass boulevard and concrete sidewalks.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance.</p>	<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem but did not fully address it.</p> <p>The watermain along this section of the roadway is 100mm, which will need to be upsized.</p> <p>The storm sewer has reached the end of its useful life and requires replacement.</p> <p>Related projects include 3932ST/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
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LTD Amount: 110,000		Total Project Cost: 5,940,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2020	25 Years	Gerry McCrank	Dec 31, 2029

Number:	3932SS	Scenario:	Main
Title:	Lakeshore Dr. - Jessups Creek to Premier Road	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain as well as replacement of the storm sewer system. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Restoration will include the road base aggregates, asphalt, curb, gutters, grass boulevard and concrete sidewalks.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance.</p>	<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem but did not fully address it.</p> <p>The watermain along this section of the roadway is 100mm, which will need to be upsized.</p> <p>The storm sewer has reached the end of its useful life and requires replacement.</p> <p>The first phase of construction is expected to be done in 2024 and 2025.</p> <p>Related projects include 3932RD/ST/WS.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference																		
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LTD Amount: 40,000		Total Project Cost: 3,010,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2020	75 Years	Gerry McCrank	Dec 31, 2029

Number:	3932ST	Scenario:	Main
Title:	Lakeshore Dr. - Jessups Creek to Premier Road	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain as well as replacement of the storm sewer system. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Restoration will include the road base aggregates, asphalt, curb, gutters, grass boulevard and concrete sidewalks.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance.</p>	<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem but did not fully address it.</p> <p>The watermain along this section of the roadway is 100mm, which will need to be upsized.</p> <p>The storm sewer has reached the end of its useful life and requires replacement.</p> <p>Related projects include 3932RD/SS/WS.</p>

Scenario Description	Scenario Comments

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LTD Amount: 30,000		Total Project Cost: 1,830,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2020	75 Years	Gerry McCrank	Dec 31, 2029

Number:	3932WS	Scenario:	Main
Title:	Lakeshore Dr. - Jessups Creek to Premier Road	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain as well as replacement of the storm sewer system. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Restoration will include the road base aggregates, asphalt, curb, gutters, grass boulevard and concrete sidewalks.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, and construction technical assistance.</p>	<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem but did not fully address it.</p> <p>The watermain along this section of the roadway is 100mm, which will need to be upsized.</p> <p>The storm sewer has reached the end of its useful life and requires replacement.</p> <p>The first phase of construction is expected to be done in 2024 and 2025.</p> <p>Related projects include 3932RD/ST/SS.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2020	75 Years	Gerry McCrank	Dec 31, 2029

Number:	3938PR	Scenario:	Main
Title:	Olmsted Beach - Boat Launch Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the design and construction to replace the Olmsted boat launch.	<p>The boat launch at Olmsted Beach (Armstrong Park) has reached the end of its expected service life. Repairs undertaken to date have been temporary in nature. The boat launch provides an important public access to Trout Lake for boaters.</p> <p>Not undertaking the redevelopment will result in the eventual closing of the access due to public safety concerns.</p> <p>The boat launch is located on Ministry of Natural Resources (MNR) property. The City has a long-standing agreement with the MNR to use this property. This property is included in the Algonquin Land Claim with the province.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2026</td> <td>49,000</td> <td>49,000</td> <td>0</td> </tr> <tr> <td>2028</td> <td>539,000</td> <td>539,000</td> <td>0</td> </tr> <tr> <td></td> <td>588,000</td> <td>588,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 588,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2026	49,000	49,000	0	2028	539,000	539,000	0		588,000	588,000	0	LTD Amount: 0		Total Project Cost: 588,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2026	49,000	49,000	0																		
2028	539,000	539,000	0																		
	588,000	588,000	0																		
LTD Amount: 0		Total Project Cost: 588,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2026	25 Years	Dave Schroeder	Dec 31, 2028

Number:	3942RF	Scenario:	Main
Title:	Omischl Sports Complex - Synthetic Turf Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description		Comments		
This project provides for the replacement of the two synthetic turf fields (soccer and football) at the Omischl Sports Complex when they have reached the end of their respective life cycle.		The synthetic turf (carpet and infill only) has an industry life cycle of 10 to 20 years. Each year, the condition of these fields will be reviewed and the replacement dates adjusted accordingly. Field C at Omischl Sports Complex has experienced some depressions and sink holes. A third party engineering firm is exploring repair and replacement options of the field and the synthetic turf. Following this review, and with the 2023 budget, the options will be reviewed to determine the best course of action to repair the field and replace the synthetic turf.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	
2027	588,000	588,000	0	
	588,000	588,000	0	
LTD Amount: 588,000		Total Project Cost: 1,176,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2019	Jan 1, 2023	10 to 20 Years	Dave Schroeder	Dec 31, 2027

Number:	4003WS	Scenario:	Main
Title:	Membrane Module Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
The project is to replace the membrane module at the Water Treatment Plant.	The estimated useful life of the existing membrane module is currently 15-20 years. The existing membrane has been in place for 12 years and are expected to require replacement in the next 3 years. The replacement of the membrane module is scheduled to take place in the year 2025 and 2027.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																								
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2027	1,500,000	1,500,000	0																						
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LTD Amount: 0		Total Project Cost: 6,000,000																							

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2025	15 Years	Karin Pratte	Dec 31, 2028

Number:	4005RD	Scenario:	Main
Title:	Pinewood Park Drive Widening (Lakeshore Drive to Decaire Road)	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to widen Pinewood Park Drive from Lakeshore Drive to Decaire Road. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Road works include the road base aggregates, asphalt, and grass boulevard.</p>	<p>The project was included in the preparation of a Municipal Class Environmental Assessment for the Lakeshore Drive and Pinewood Park corridors under Project 3715RD - Pinewood Park & Lakeshore Drive Intersection Reconstruction</p> <p>As the Pinewood Park corridor continues to develop, increased traffic will necessitate additional lanes. The Environmental Assessment determined that ultimately a 5 lane road cross-section will be required. Current traffic volumes may not warrant full widening to 5 lanes. An interim option to splice on one lane and create a continuous centre left turn lane has been budgeted for this project.</p> <p>Related projects include 3715RD.</p>

Scenario Description	Scenario Comments

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LTD Amount: 0		Total Project Cost: 3,240,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2026	25 Years	Adam Lacombe	Dec 31, 2029

Number:	4018TR	Scenario:	Main
Title:	Transit Fleet Garage and Bus Barn Upgrades: Health and Safety	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for upgrades to the Fleet Garage and Bus Barn, which will also resolve some health and safety concerns.	<p>This project will resolve some current health and safety concerns and provide other upgrades within the Fleet Garage and Bus Barn. This is planned to be done through the installation of a permanent engineered fall arrest system for working at heights, vehicle lifting device (one set), and approximately 16 security cameras.</p> <p>This project will also include the purchase of specialized tools, network and work stations, diagnostic laptops and software, and computerized systems for monitoring bulk fluids and scanning system for transit inventory.</p> <p>Budget includes funding through the Investing in Canada Infrastructure Program.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																														
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2021	TBD	Drew Poeta	Dec 31, 2024

Number:	4020TR	Scenario:	Main
Title:	New Bus Shelters and Digital Signage	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project is for the rehabilitation of existing shelters, purchase of new shelters, and the addition of digital signage.	This project will provide for the rehabilitation of 8 existing shelters, the purchase and installation of 12 solar powered shelters and pads and add approximately 20 digital signage at transfer locations and other stops that experience high passenger frequency. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																														
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2021	TBD	Drew Poeta	Dec 31, 2024

Number:	4021TR	Scenario:	Main
Title:	Construction of Sidewalks for Transit Routes	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project is for the construction of new sidewalks to transit stops.	<p>This project will construct new sidewalks to comply with the Municipal Right-of-Way for direct routing of pedestrians to transit stops (approximately 4.2km). This includes connecting existing sidewalks to permit a continuous pedestrian path to established transit stops.</p> <p>Budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>The following sidewalks have been completed:</p> <p>2022 - Airport Rd (Kinsman Trail (Davedi Club) to Algonquin Ave) and Lakeside Dr (Trout Lake Rd to Camelot Dr)</p> <p>2023/ 2024 - Norman (Rancier St to Dellandrea Dr), Georgian Rd (Gertrude St E to Prince Edward Dr), and Prince Edward Dr (Georgian Rd to Marshall Ave E)</p> <p>The following sidewalks will be completed in the future:</p> <p>2025/ 2026 - Commerce (Seymour to Wallace) and Wallace Rd (Commerce Cres to Lake Heights Rd)</p> <p>Related projects include 4330TR.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	1,983,491	1,983,491	0	Expense		
2025	1,286,650	1,286,650	0	1001	REGULAR SALARIES	184,589
	3,270,141	3,270,141	0	3130	CONSULTANT FEES	87,260
LTD Amount: 3,276,710		Total Project Cost: 6,546,851		3425	CONSTRUCTION CONTRACT	1,711,642
					Total Expense:	1,983,491
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	64,356
				0543	INVESTING IN CANADA (ICIP) - PROVINCIAL	599,574
				0643	INVESTING IN CANADA (ICIP) - FEDERAL	719,561
				5901	DEBENTURE PROCEEDS	600,000
					Total Revenue:	1,983,491

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2020	30 Years	Drew Poeta	Dec 31, 2026

Number:	4030SS	Scenario:	Main
Title:	Sanitary Sewer Relining	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project will involve the installation of a structural liner that will reinforce the existing sanitary sewers.	<p>This project will involve an assessment of sanitary sewers in the City that have a history of breaks and the installation of a lining to mitigate ground water infiltration into the sanitary sewer system.</p> <p>The assessments were completed by a third party in 2023. The purpose was to identify areas of sanitary sewer that have inflow and infiltration issues and minor deficiencies that relining can address. Relining is installed in sections from 1 manhole to another and takes approximately 1 to 2 days per city block.</p> <p>In 2024 this project will include relining of sanitary sewer in areas with the highest levels of inflow and infiltration in the West Ferris Area.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																								
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2023	TBD	Domenic Schiavone	Dec 31, 2026

Number:	4031WS	Scenario:	Main
Title:	Public Works Building Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to address rehabilitation costs to the public works buildings at the Franklin site in order to meet operational needs.	In 2024, a condition assessment will be completed for all public works buildings at the Franklin site. Based on the condition assessments performed, addressing immediate requirements, planning, engineering, and potential architectural design would be initiated in 2026. Through this planning process, it is anticipated that significant upgrades or re-configuration to current facilities or an addition of facilities will be completed in 2029 in order to meet operational needs.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																													
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2029

Number:	4032RD	Scenario:	Main
Title:	O'Brien St. Reconstruction - Cassells to Ski Club	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for reconstruction of above ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Cassells Street to Ski Club Road.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repair/ rehabilitation/ replacement of sanitary sewers and watermains.</p>	<p>O'Brien Street was originally constructed as a semi-urban collector (i.e., ditches were constructed for drainage). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street and Airport Road. Over the years some ditches have filled in, resulting in poor surface drainage and improper road base drainage. Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related projects include 4032ST/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2031	530,000	530,000	0																		
2032	10,200,000	10,200,000	0																		
	10,730,000	10,730,000	0																		
LTD Amount: 0	Total Project Cost: 10,730,000																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2035

Number:	4032SS	Scenario:	Main
Title:	O'Brien St. Reconstruction - Cassells to Ski Club	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for reconstruction of above ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Cassells Street to Ski Club Road.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repair/ rehabilitation/ replacement of sanitary sewers and watermains.</p>	<p>O'Brien Street was originally constructed as a semi-urban collector (i.e., ditches were constructed for drainage). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street and Airport Road. Over the years some ditches have filled in, resulting in poor surface drainage and improper road base drainage. Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related projects include 4032RD/ST/WS.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference																		
2032	320,000	320,000	0																		
2033	6,190,000	6,190,000	0																		
	6,510,000	6,510,000	0																		
LTD Amount: 0	Total Project Cost: 6,510,000																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2035

Number:	4032ST	Scenario:	Main
Title:	O'Brien St. Reconstruction - Cassells to Ski Club	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description				Comments			
<p>The project involves the engineering and construction services for reconstruction of above ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Cassells Street to Ski Club Road.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repair/ rehabilitation/ replacement of sanitary sewers and watermains.</p>				<p>O'Brien Street was originally constructed as a semi-urban collector (i.e., ditches were constructed for drainage). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street and Airport Road. Over the years some ditches have filled in, resulting in poor surface drainage and improper road base drainage. Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related projects include 4032RD/SS/WS.</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2024			
Budget Year	Total Expense	Total Revenue	Difference				
2031	225,000	225,000	0				
2032	4,340,000	4,340,000	0				
	4,565,000	4,565,000	0				
LTD Amount: 0		Total Project Cost: 4,565,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2012	Jan 1, 2032	75 Years	Adam Lacombe			Dec 31, 2035	

Number:	4032WS	Scenario:	Main
Title:	O'Brien St. Reconstruction - Cassells to Ski Club	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for reconstruction of above ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Cassells Street to Ski Club Road.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repair/ rehabilitation/ replacement of sanitary sewers and watermains.</p>		<p>O'Brien Street was originally constructed as a semi-urban collector (i.e., ditches were constructed for drainage). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street and Airport Road. Over the years some ditches have filled in, resulting in poor surface drainage and improper road base drainage. Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related projects include 4032RD/ST/SS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2032	340,000	340,000	0
2033	6,480,000	6,480,000	0
	6,820,000	6,820,000	0
LTD Amount: 0	Total Project Cost: 6,820,000		
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2012	Jan 1, 2032	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2035

Number:	4034RD	Scenario:	Main
Title:	Road Condition Inspection	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering services for the condition inspection of the City's roadway network. Condition inspections were previously undertaken on a four-year cycle (2007, 2011, 2015 and 2021).</p>		<p>The information gathered from the road condition inspections is used in the City's Pavement Management System software to model and analyze the needs and most cost-effective treatments to maintain, rehabilitate, or replace the pavement structure of the City's road network. In accordance with the City's Asset Management Plan, the condition of the City's road network will be monitored and analyzed on an on-going basis to determine and confirm prioritization with respect to the condition assessment and needs of the overall road and infrastructure network.</p> <p>In order to ensure the most cost-effective resurfacing program, regular updates of the road network condition data are required to ensure accurate and defensible needs assessments and work prioritization.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	255,000	255,000	0
2029	285,000	285,000	0
	540,000	540,000	0
LTD Amount: 0		Total Project Cost: 540,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2015	Jan 1, 2025	N/A	Adam Lacombe
			Completion Date
			Dec 31, 2029

Number:	4037SS	Scenario:	Main
Title:	Sage Area Trunk Sewer Improvements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for upsizing a portion of the Sage trunk sanitary sewer system. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p>		<p>The undersized section runs from the intersection of K&K Drive and Wallace, through an easement on the old Arclin Canada property, under the ONR train tracks and through an easement between two residential properties on Perut Place.</p> <p>Given the constraints of working in easements on private properties, including very close proximity to two residential houses, different alternatives will be generated to solve the capacity issues. The alternatives could include a new sewer on a new alignment or the use of trenchless technologies to upsize the existing pipe.</p> <p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that this section of the Sage Road trunk is currently undersized and during peak flows the pipe capacity will be exceeded. Any additional development served by the Sage trunk will only make the capacity issues worse. The engineering study will look at different alternatives to address the capacity issues.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2026	160,000	160,000	0
2027	3,280,000	3,280,000	0
	3,440,000	3,440,000	0
LTD Amount: 0		Total Project Cost: 3,440,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2008	Jan 1, 2026	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2028

Number:	4101GG	Scenario:	Main
Title:	City Hall Accessibility Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
To meet standards under the Accessibility for Ontarians with Disabilities 2005, it is anticipated that the City will need to undertake significant renovations to City Hall and other municipal buildings under the (yet to be released) Built Environment Standard. The purpose of the Act is to improve opportunities for people with disabilities by removing barriers. The standards under the Act are being implemented in phases and will lead to full accessibility in Ontario by 2025.	Condition assessments on City buildings will be initiated once standards are released to identify priority projects. Anticipated that there will be funding opportunities related to this standard which will be pursued as they present themselves.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td>2027</td> <td>830,000</td> <td>830,000</td> <td>0</td> </tr> <tr> <td></td> <td>930,000</td> <td>930,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 930,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	100,000	100,000	0	2027	830,000	830,000	0		930,000	930,000	0	LTD Amount: 0		Total Project Cost: 930,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3117</td> <td>DESIGN FEES</td> <td>100,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>100,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>100,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>100,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3117	DESIGN FEES	100,000	Total Expense:		100,000	Revenue			0461	TSF FRM REV FUND-PAYGO	100,000	Total Revenue:		100,000
Budget Year	Total Expense	Total Revenue	Difference																																							
2024	100,000	100,000	0																																							
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2024	15 Years	David Jackowski	Dec 31, 2027

Number:	4102RD	Scenario:	Main
Title:	Ellendale Pumping Station Second Feed to Airport	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for a new trunk watermain that will provide a duplicate feed from the Ellendale booster pumping station to the Airport Hill distribution system.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>		<p>The Ellendale site is comprised of two facilities. The reservoir provides a water storage facility for water supplied directly from the Water Treatment Plant. Water from the reservoir supplies Zone 1 as well as the Ellendale booster pumping station (BPS). The BPS provides water to the Airport Hill area. Both the feed to the reservoir, as well as the discharge pipe from the BPS is a single feed. There is a risk that a single point failure on either of these feeds would lead to disruptions in the water distribution system.</p> <p>This project will look at different alignments to provide a second feed to the Airport Hill area, including Ellendale Drive to Airport Road.</p> <p>Related projects include 3931RD/WS & 4102RD</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2026	55,000	55,000	0
2027	1,040,000	1,040,000	0
	1,095,000	1,095,000	0
LTD Amount: 0	Total Project Cost: 1,095,000		
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2024	Jan 1, 2026	25 Years	Adam Lacombe
			Completion Date
			Dec 28, 2028

Number:	4102WS	Scenario:	Main
Title:	Ellendale Pumping Station Second Feed to Airport	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for a new trunk watermain that will provide a duplicate feed from the Ellendale booster pumping station to the Airport Hill distribution system.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The Ellendale site is comprised of two facilities. The reservoir provides a water storage facility for water supplied directly from the Water Treatment Plant. Water from the reservoir supplies Zone 1 as well as the Ellendale booster pumping station (BPS). The BPS provides water to the Airport Hill area. Both the feed to the reservoir, as well as the discharge pipe from the BPS is a single feed. There is a risk that a single point failure on either of these feeds would lead to disruptions in the water distribution system.</p> <p>This project will look at different alignments to provide a second feed to the Airport Hill area, including Ellendale Drive to Airport Road.</p> <p>Related projects include 3931RD/WS & 4102RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2026	105,000	105,000	0																		
2027	1,870,000	1,870,000	0																		
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LTD Amount: 0		Total Project Cost: 1,975,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2026	75 Years	Adam Lacombe	Dec 31, 2028

Number:	4103SS	Scenario:	Main
Title:	Wastewater Treatment Plant Expansion	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
The project provides for the engineering and construction of the expansion and upgrades to the Wastewater Treatment Plant in order to handle the increasing wastewater volume.		This project provides funds for the purchase of additional lands along with the design and engineering to increase the capacity of the treatment process at the Wastewater Treatment Plant in order to handle increasing wastewater volumes as well as to improve treatment efficiency, specifically with denitrification.	

Scenario Description		Scenario Comments	
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Forecast		Project Detailed 2024																																																							
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Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2022	TBD	Karin Pratte	Dec 31, 2029

Number:	4106RD	Scenario:	Main
Title:	Queen St. Culvert Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project involves the engineering and construction services to replace the Queen St. culvert.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The existing Queen St. culvert is at the end of its useful life and needs to be replaced.</p> <p>The existing culvert is made of corrugated steel and will be replaced with a plastic or concrete culvert.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	1,070,000	1,070,000	0														
	1,070,000	1,070,000	0														
LTD Amount: 0		Total Project Cost: 1,070,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2026	75 years	Reid Porter	Dec 31, 2027

Number:	4109RD	Scenario:	Main
Title:	Trout Lake Rd. & Laurentian Ave. Intersection Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction to align the two Laurentian Ave. side street approaches that intersect with Trout Lake Road.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>Trout Lake Road is an arterial road with Laurentian Ave. as a side street. The two Laurentian Ave. approaches are offset from each other by approximately 30 metres, creating a non-standard intersection and traffic signal configuration. Alignment of the side street approaches will improve driver expectation, safety, traffic signal operations. Land acquisition of an existing property on the north side of Trout Lake Road will be required.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2031</td> <td>185,000</td> <td>185,000</td> <td>0</td> </tr> <tr> <td>2032</td> <td>4,190,000</td> <td>4,190,000</td> <td>0</td> </tr> <tr> <td></td> <td>4,375,000</td> <td>4,375,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 4,375,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2031	185,000	185,000	0	2032	4,190,000	4,190,000	0		4,375,000	4,375,000	0	LTD Amount: 0	Total Project Cost: 4,375,000			
Budget Year	Total Expense	Total Revenue	Difference																		
2031	185,000	185,000	0																		
2032	4,190,000	4,190,000	0																		
	4,375,000	4,375,000	0																		
LTD Amount: 0	Total Project Cost: 4,375,000																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2031	25 Years	Adam Lacombe	Dec 31, 2033

Number:	4115PK	Scenario:	Main
Title:	Innovation Hub	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for the engineering design to support the Innovation Hub on Wyld Street. It will include the design of the new road, water, sewer, storm water management and the existing parking lot.		The Innovation Hub concept is supported through the Downtown Waterfront Master Plan. Related projects include 4115RD/ST/SS/WS and 4122PR.	

Scenario Description		Scenario Comments	
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Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2026	1,040,000	1,040,000	0
	1,040,000	1,040,000	0
LTD Amount: 110,000		Total Project Cost: 1,150,000	

Related Projects		Operating Impacts	
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Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2021	TBD	Adam Lacombe	Dec 31, 2027

Number:	4115RD	Scenario:	Main
Title:	Innovation Hub	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the engineering design to support the Innovation Hub on Wyld Street. It will include the design of the new road, water, sewer, storm water management and the existing parking lot.	The Innovation Hub concept is supported through the Downtown Waterfront Master Plan. Related projects include 4115PK/ST/SS/WS and 4122PR.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	730,000	730,000	0														
	730,000	730,000	0														
LTD Amount: 40,000		Total Project Cost: 770,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2021	TBD	Adam Lacombe	Dec 31, 2027

Number:	4115SS	Scenario:	Main
Title:	Innovation Hub	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the engineering design to support the Innovation Hub on Wyld Street. It will include the design of the new road, water, sewer, storm water management and the existing parking lot.	The Innovation Hub concept is supported through the Downtown Waterfront Master Plan. Related projects include 4115PK/RD/ST/WS and 4122PR.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	110,000	110,000	0														
	110,000	110,000	0														
LTD Amount: 10,000		Total Project Cost: 120,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2021	TBD	Adam Lacombe	Dec 31, 2027

Number:	4115ST	Scenario:	Main
Title:	Innovation Hub	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the engineering design to support the Innovation Hub on Wyld Street. It will include the design of the new road, water, sewer, storm water management and the existing parking lot.	The Innovation Hub concept is supported through the Downtown Waterfront Master Plan. Related projects include 4115PK/RD/SS/WS and 4122PR.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	420,000	420,000	0														
	420,000	420,000	0														
LTD Amount: 20,000		Total Project Cost: 440,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2021	TBD	Adam Lacombe	Dec 31, 2027

Number:	4115WS	Scenario:	Main
Title:	Innovation Hub	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for the engineering design to support the Innovation Hub on Wyld Street. It will include the design of the new road, water, sewer, storm water management and the existing parking lot.		The Innovation Hub concept is supported through the Downtown Waterfront Master Plan. Related projects include 4115PK/RD/ST/SS and 4122PR.	

Scenario Description		Scenario Comments	
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Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2026	420,000	420,000	0
	420,000	420,000	0
LTD Amount: 20,000		Total Project Cost: 440,000	

Related Projects		Operating Impacts	
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Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2021	TBD	Adam Lacombe	Dec 31, 2027

Number:	4119RF	Scenario:	Main
Title:	Arenas - Memorial Gardens East and West Concourse Roof Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the roof over the west concourse and the east concourse/ change rooms at Memorial Gardens.	The roof identified in this project will be reaching the end of its expected service life in 2029. In 2028, a detailed assessment will be conducted to confirm the proper scope of work followed by a detailed design for the replacement. In 2029, construction work will be tendered and completed. The scope includes full replacement of the, approximately 20,000 sq.ft roof system less decking (membrane, insulation, coverboard and removal of existing).

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2028	25,000	25,000	0																		
2029	500,000	500,000	0																		
	525,000	525,000	0																		
LTD Amount: 0	Total Project Cost: 525,000																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2028	20 Years	David Jackowski	Dec 31, 2029

Number:	4122PR	Scenario:	Main
Title:	Recreational Feasibility	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development, Master Plans
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for studies to determine the feasibility of relocating the volleyball courts and/or the sport field construction at Omischl Park.	Engineering review to determine feasibility of topography and soil conditions for development of volleyball courts and/or sport field construction. The relocation of the volleyball courts will facilitate the development of the Innovation Hub as envisioned in the Downtown Waterfront Master Plan. This work is anticipated to begin in 2024 and aligns with the vision in the Downtown Waterfront Master Plan. Related projects include 4115PK/RD/ST/SS/WS.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>98,000</td> <td>98,000</td> <td>0</td> </tr> <tr> <td></td> <td>98,000</td> <td>98,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td></td> <td>Total Project Cost: 98,000</td> <td></td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	98,000	98,000	0		98,000	98,000	0	LTD Amount: 0		Total Project Cost: 98,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>98,000</td> </tr> <tr> <td></td> <td>Total Expense:</td> <td>98,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>98,000</td> </tr> <tr> <td></td> <td>Total Revenue:</td> <td>98,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	98,000		Total Expense:	98,000	Revenue			0461	TSF FRM REV FUND-PAYGO	98,000		Total Revenue:	98,000
Budget Year	Total Expense	Total Revenue	Difference																																			
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0461	TSF FRM REV FUND-PAYGO	98,000																																				
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2024	N/A	Beverley Hillier	Dec 31, 2024

Number:	4124RD	Scenario:	Main
Title:	Francis St. Sewer Upsizing (Surrey to Greenhill)	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.</p> <p>Engineering services will include flow monitoring, condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Due to future development of Airport Hill and the Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced.</p> <p>Related projects include 4124ST/SS/WS</p>

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Budget Year	Total Expense	Total Revenue	Difference																		
2029	135,000	135,000	0																		
2030	2,550,000	2,550,000	0																		
	2,685,000	2,685,000	0																		
LTD Amount: 0		Total Project Cost: 2,685,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2029	25 Years	Adam Lacombe	Dec 31, 2032

Number:	4124SS	Scenario:	Main
Title:	Francis St. Sewer Upsizing (Surrey to Greenhill)	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.</p> <p>Engineering services will include flow monitoring, condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Due to future development of Airport Hill and the Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced.</p> <p>Related projects include 4124RD/ST/WS</p>

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Budget Year	Total Expense	Total Revenue	Difference														
2029	140,000	140,000	0														
2030	2,720,000	2,720,000	0														
	2,860,000	2,860,000	0														

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2032

Number:	4124ST	Scenario:	Main
Title:	Francis St. Sewer Upsizing (Surrey to Greenhill)	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.</p> <p>Engineering services will include flow monitoring, condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Due to future development of Airport Hill and the Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced.</p> <p>Related projects include 4124RD/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2029	95,000	95,000	0														
2030	1,800,000	1,800,000	0														
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2032

Number:	4124WS	Scenario:	Main
Title:	Francis St. Sewer Upsizing (Surrey to Greenhill)	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.</p> <p>Engineering services will include flow monitoring, condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>Due to future development of Airport Hill and the Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced.</p> <p>Related projects include 4124RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2032

Number:	4125RD	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100mm distribution watermain, adding a new 400mm transmission watermain, and adding a new 500mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An environmental assessment will also be conducted to look at road upgrades.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p> <p>Related projects include 4125ST/SS/WS, Phase 2 - 3802RD/ST/SS/WS</p>

Scenario Description	Scenario Comments

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2027	395,000	395,000	0																		
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LTD Amount: 0		Total Project Cost: 8,325,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2027	25 Years	Adam Lacombe	Dec 31, 2031

Number:	4125SS	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description				Comments			
<p>The project involves the engineering and construction services for upgrading the existing 100mm distribution watermain, adding a new 400mm transmission watermain, and adding a new 500mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An environmental assessment will also be conducted to look at road upgrades.</p>				<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p> <p>Related projects include 4125RD/ST/WS, Phase 2 - 3802RD/ST/SS/WS</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2024			
Budget Year	Total Expense	Total Revenue	Difference				
2027	225,000	225,000	0				
2029	4,470,000	4,470,000	0				
	4,695,000	4,695,000	0				
LTD Amount: 0		Total Project Cost: 4,695,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date		
2011	Jan 1, 2027	75 Years	Adam Lacombe		Dec 31, 2031		

Number:	4125ST	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100mm distribution watermain, adding a new 400mm transmission watermain, and adding a new 500mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An environmental assessment will also be conducted to look at road upgrades.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p> <p>Related projects include 4125RD/SS/WS, Phase 2 - 3802RD/ST/SS/WS</p>

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Budget Year	Total Expense	Total Revenue	Difference																		
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LTD Amount: 0	Total Project Cost: 2,030,000																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2027	75 Years	Adam Lacombe	Dec 31, 2031

Number:	4125WS	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for upgrading the existing 100mm distribution watermain, adding a new 400mm transmission watermain, and adding a new 500mm forcemain to twin the existing Marshall sanitary pumping station forcemain. An environmental assessment will also be conducted to look at road upgrades.</p>	<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. Since then, the road surface has been rehabilitated through the resurfacing program to extend the life of the existing pavement.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over two phases - Phase 1 will include Judge Avenue to Gertrude Street, and Phase 2 will include Gertrude Street to Marshall Avenue. Additionally, watermain upsizing from Marshall to Birchs is currently being constructed in stages by the Public Works Department.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new forcemain to twin the existing forcemain will provide redundancy in the system to mitigate the risks of these emergency situations.</p> <p>Related projects include 4125RD/ST/SS, Phase 2 - 3802RD/ST/SS/WS</p>

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Budget Year	Total Expense	Total Revenue	Difference																		
2027	230,000	230,000	0																		
2029	4,610,000	4,610,000	0																		
	4,840,000	4,840,000	0																		
LTD Amount: 0		Total Project Cost: 4,840,000																			

Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2027	75 Years	Adam Lacombe	Dec 31, 2031

Number:	4201PK	Scenario:	Main
Title:	Downtown Parking Facilities	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to provide funds for the construction of a parking structure to meet the needs for parking spaces in the downtown.	The downtown development potential is limited if steps are not taken to provide additional parking spaces. Project specifics on location and type of facility have not been developed. The budget assumes 100 parking spaces in the new structure. This project is related to 3405PK as potential locations may be acquired for construction. Detailed needs would be supported by the parking strategy study that would include occupancy and inventory levels. Related projects include 3405PK.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2028	490,000	490,000	0																		
2029	3,381,000	3,381,000	0																		
	3,871,000	3,871,000	0																		
LTD Amount: 0		Total Project Cost: 3,871,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2015	Jan 1, 2028	TBD	Bruce Robertson	Dec 31, 2029

Number:	4203GD	Scenario:	Main
Title:	Leachate Management - Future Cells	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability, Environmental,...
Division:	Capital - Infrastructure & Operations	Project Type:	WASTE DISPOSAL
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The program provides for the design and construction of landfill cells for the effective leachate management as required by the Merrick Landfill Certificate of Approval. It includes the capping and closing of the preceding landfill cells and lining of future landfill cells as well as the construction and expansion of a leachate collection, pumping and infiltration and control systems.</p>		<p>The project is necessary to manage untreated leachate quantities in compliance with the Landfill's Certificate of Approval and prior to leachate treatment. Cell closing and expansion occurs approximately every 4-5 years.</p> <p>Project is partially funded by the Merrick Landfill Reserve (99515R).</p> <p>Related projects include 3830GD.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2027	2,156,000	2,156,000	0
2029	245,000	245,000	0
2031	2,156,000	2,156,000	0
	4,557,000	4,557,000	0
LTD Amount: 250,000		Total Project Cost: 4,807,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2013	Jan 1, 2023	25 Years	Karin Pratte
			Completion Date
			Dec 31, 2031

Number:	4205RD	Scenario:	Main
Title:	Climate Change Initiatives	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Environmental,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
This project will look at ways to address the impacts of climate change and reduce its effects within the City, including the impacts to people, the environment, and infrastructure.		During 2018 to 2020 the City participated in the Northern Climate Change Network through a program led by the Climate Risk Institute. The program facilitated a Climate Change Risk Assessment for North Bay. This project will continue building on that assessment to identify future needs and projects associated with climate change. Work in 2024 will include a city-wide detailed engineering risk assessment of specific locations and infrastructure.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2031	1,210,000	1,210,000	0
	1,210,000	1,210,000	0
LTD Amount: 100,000		Total Project Cost: 1,310,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2022	Jan 1, 2022	N/A	Adam Lacombe
			Completion Date
			Dec 31, 2031

Number:	4206RF	Scenario:	Main
Title:	Pete Palangio Parking Lot Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
The project is to provide lighting, drainage, grading and new asphalt for Pete Palangio arena parking lot.	The budget in 2024 includes costs associated with engineering and the rehabilitation of the entire parking lot including asphalt, lot drainage, lighting, general grading, and correction of negative grading around the building perimeter.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>627,450</td> <td>627,450</td> <td>0</td> </tr> <tr> <td></td> <td>627,450</td> <td>627,450</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 627,450</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	627,450	627,450	0		627,450	627,450	0	LTD Amount: 0		Total Project Cost: 627,450		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>627,450</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>627,450</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>627,450</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>627,450</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	627,450	Total Expense:		627,450	Revenue			0461	TSF FRM REV FUND-PAYGO	627,450	Total Revenue:		627,450
Budget Year	Total Expense	Total Revenue	Difference																																			
2024	627,450	627,450	0																																			
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LTD Amount: 0		Total Project Cost: 627,450																																				
GL Account	Description	Total Amount																																				
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Total Revenue:		627,450																																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2017	Jan 1, 2024	15 Years	David Jackowski	Dec 31, 2024

Number:	4207ST	Scenario:	Main
Title:	Stormwater Outfall Repair and Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for corrective measures to various storm sewer outfalls to Lake Nipissing.</p> <p>Engineering services will include condition inspections, contract drawings, specifications, tendering and construction.</p>	<p>There are a number of storm outlet structures at or nearing the end of their service life with critical deficiencies and risk of failure. The mitigation measures will include both repair works to current deficiencies and proactive works to prevent the further deterioration and failure of the highest risk outlets.</p> <p>In 2015 a study was completed that included inventorying the outfalls and identifying the most critical needs. In future years, work will involve design and construction of the corrective measures, which will include erosion control treatments, flushing and pipe repairs. The work will be constructed in multiple phases.</p> <p>Work in 2024 will include the review of the 2015 condition assessment, identification of the highest risk outfalls, and preliminary and detailed design. Construction will commence in 2028.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2028</td> <td>230,000</td> <td>230,000</td> <td>0</td> </tr> <tr> <td></td> <td>230,000</td> <td>230,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 49,000</td> <td colspan="2">Total Project Cost: 279,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2028	230,000	230,000	0		230,000	230,000	0	LTD Amount: 49,000		Total Project Cost: 279,000		
Budget Year	Total Expense	Total Revenue	Difference														
2028	230,000	230,000	0														
	230,000	230,000	0														
LTD Amount: 49,000		Total Project Cost: 279,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2028	50 years	Adam Lacombe	Dec 31, 2029

Number:	4208RD	Scenario:	Main
Title:	Four Mile Lake Rd. Extension to Highway 11	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>This project involves the engineering and construction services for a new rural roadway from the west end of Four Mile Lake Road to Marsh Drive and possible upgrades on Marsh Drive to Highway 11; including, any required improvements to Highway 11 and the Marsh Drive intersection.</p> <p>The road will be constructed as a truck route to service existing industrial properties and new industrial developments in the airport area. An environmental assessment (EA) was previously completed using in-house Engineering staff. Future engineering services will include an update to the EA, preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The project's priority is related to development and further expansion of the Aerospace Industrial Park.</p> <p>The project would also address some safety concerns. Truck traffic to Highway 11/17 is currently serviced by Airport Road and O'Brien Street. Thibeault Hill on Highway 11 has a truck arrestor bed and Airport Hill does not. Removing truck traffic from Airport Hill and redirecting it to Thibeault Hill would reduce the risk of runaway trucks. Re-routing truck traffic would also extend the life of Airport Road and O'Brien Street between Airport Road and Highway 11/17.</p> <p>A short portion of the roadway at the Marsh Drive end (approximately 300 m in length) is proposed to be completed with project 4300 Airport Industrial Business Park. The balance of the roadway (approximately 1.7 km) is budgeted under this project.</p> <p>Related projects include 4300RD/SS/ST/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2033	8,620,000	8,620,000	0
	8,620,000	8,620,000	0
LTD Amount: 607,600		Total Project Cost: 9,227,600	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2023	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2035

Number:	4209GG	Scenario:	Main
Title:	City Hall Customer Service Centre & Lobby Renovations	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for a complete renovation to the Customer Service Centre at City Hall to suit modern operational requirements.		The service delivery model for the Customer Service Centre (Centre) has evolved over the years and the existing space is no longer meeting the needs of the Centre. This project will rebuild the space to meet the modern service delivery model and modern accessible requirements of the AODA.	

Scenario Description		Scenario Comments	

Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	343,137	343,137	0
2026	343,137	343,137	0
	686,274	686,274	0
LTD Amount: 0	Total Project Cost: 686,274		

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2020	Jan 31, 2025	TBD	Kevin Vescio	Dec 31, 2026

Number:	4210GD	Scenario:	Main
Title:	Waste Diversion Facility	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Environmental
Division:	Capital - Infrastructure & Operations	Project Type:	WASTE DISPOSAL
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds for an updated Waste Diversion Facility which will replace the current Organics Waste Drop-off and Hazardous Waste Depot.	The current Hazardous Waste and Organics drop off depot has been diverting waste from the Merrick landfill site for over 30 years and requires upgrades in order to accommodate an increase in resident participation. The new Facility will be safe, secure, accessible and able to adapt to the City's future waste diversion needs. The new Facility will include all current waste diversion programs as well as incorporate new ones.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	3,000,000	3,000,000	0														
	3,000,000	3,000,000	0														
LTD Amount: 400,000		Total Project Cost: 3,400,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2022	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2026

Number:	4210SS	Scenario:	Main
Title:	Waste Diversion Facility	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds for an updated Waste Diversion Facility which will replace the current Organics Waste Drop-off and Hazardous Waste Depot.	The current Hazardous Waste and Organics drop off depot has been diverting waste from the Merrick landfill site for over 30 years and requires upgrades in order to accommodate an increase in resident participation. The new Facility will be safe, secure, accessible and able to adapt to the City's future waste diversion needs. The new Facility will include all current waste diversion programs as well as incorporate new ones.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	250,000	250,000	0														
	250,000	250,000	0														
LTD Amount: 0		Total Project Cost: 250,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Karin Pratte	Dec 31, 2026

Number:	4210WS	Scenario:	Main
Title:	Waste Diversion Facility	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds for an updated Waste Diversion Facility which will replace the current Organics Waste Drop-off and Hazardous Waste Depot.	The current Hazardous Waste and Organics drop off depot has been diverting waste from the Merrick landfill site for over 30 years and requires upgrades in order to accommodate an increase in resident participation. The new Facility will be safe, secure, accessible and able to adapt to the City's future waste diversion needs. The new Facility will include all current waste diversion programs as well as incorporate new ones.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2026	250,000	250,000	0														
	250,000	250,000	0														
LTD Amount: 0	Total Project Cost: 250,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Karin Pratte	Dec 31, 2026

Number:	4212WS	Scenario:	Main
Title:	Water Treatment Plant Major Equipment Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
This project will provide for the replacement of equipment that will be at end of life at the Water Treatment Plant. This includes booster pumps, motors, valves, and electrical equipment.		The equipment at the Water Treatment Plant is nearing the end of their useful lives and will need to be replaced. This equipment includes the booster pump, motors, valves, and electrical equipment.	

Scenario Description		Scenario Comments	
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Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2029	294,000	294,000	0
2031	4,410,000	4,410,000	0
	4,704,000	4,704,000	0
LTD Amount: 0	Total Project Cost: 4,704,000		

Related Projects		Operating Impacts	
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Year Identified	Start Date	Useful Life	Manager	Completion Date
2022	Jan 1, 2029	TBD	Karin Pratte	Dec 31, 2031

Number:	4213WS	Scenario:	Main
Title:	Airport Standpipe Major Equipment Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project will provide for the replacement of equipment that will be at end of life at the Airport standpipe. This includes booster pumps, motors, valves, and electrical equipment.	The equipment at the Airport standpipe is nearing the end of their useful lives and will need to be replaced. This equipment includes the booster pump, motors, valves, and electrical equipment.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2029</td> <td>294,000</td> <td>294,000</td> <td>0</td> </tr> <tr> <td>2031</td> <td>980,000</td> <td>980,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,274,000</td> <td>1,274,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 1,274,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2029	294,000	294,000	0	2031	980,000	980,000	0		1,274,000	1,274,000	0	LTD Amount: 0		Total Project Cost: 1,274,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2029	294,000	294,000	0																		
2031	980,000	980,000	0																		
	1,274,000	1,274,000	0																		
LTD Amount: 0		Total Project Cost: 1,274,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2022	Jan 1, 2029	TBD	Karin Pratte	Dec 31, 2031

Number:	4214WS	Scenario:	Main
Title:	Ellendale Structural Repairs	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Environmental
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for extensive structural repairs to the City's largest reservoir - Ellendale.	<p>The Ellendale Reservoir is the City's largest water holding structure with a capacity just over 18,000m3. This reservoir was constructed approximately 50 years ago and has a concrete base, walls, roof, and columns.</p> <p>An inspection of the reservoir was performed in 2021 which noted some immediate and future structural repair work. The immediate needs were dealt with in 2021 at the conclusion of the inspection. This project will address the remaining concrete structural repairs to the walls and columns in the Ellendale reservoir that were identified during the 2021 inspection.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2029</td> <td>294,000</td> <td>294,000</td> <td>0</td> </tr> <tr> <td>2031</td> <td>4,410,000</td> <td>4,410,000</td> <td>0</td> </tr> <tr> <td></td> <td>4,704,000</td> <td>4,704,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 4,704,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2029	294,000	294,000	0	2031	4,410,000	4,410,000	0		4,704,000	4,704,000	0	LTD Amount: 0		Total Project Cost: 4,704,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2029	294,000	294,000	0																		
2031	4,410,000	4,410,000	0																		
	4,704,000	4,704,000	0																		
LTD Amount: 0		Total Project Cost: 4,704,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2022	Jan 1, 2029	TBD	Karin Pratte	Dec 31, 2031

Number:	4215RD	Scenario:	Main
Title:	Local Road Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of local residential roadways. The capacity and condition of the existing underground infrastructure (storm, sanitary, and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>		<p>The condition of local roads will be monitored and analyzed on an on-going basis to determine and confirm prioritization. To assist with the prioritization, the City's Pavement Management Software will be utilized to help identify roads that are at the end of their useful life and require complete reconstruction.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2028	294,000	294,000	0
2031	2,940,000	2,940,000	0
	3,234,000	3,234,000	0
LTD Amount: 0	Total Project Cost: 3,234,000		
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2022	Jan 1, 2028	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2031

Number:	4216RD	Scenario:	Main
Title:	Memorial Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project will rehabilitate the asphalt on Memorial Drive to restore the riding surface. The project will examine a variety of techniques for rehabilitation of the roadway including asphalt grinding, recycling, crack sealing, base stabilization, drainage improvements, curb restoration, and boulevard restoration in addition to hot-mix asphalt paving.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>		<p>Portions of Memorial Drive have previously been rehabilitated through the annual resurfacing program. This project will be timed with the end of the expected life of those rehabilitations.</p> <p>In conjunction with planning for the City's annual resurfacing program, the City's Pavement Management Software will be utilized to determine timing and best rehabilitation techniques.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2031	1,470,000	1,470,000	0
	1,470,000	1,470,000	0
LTD Amount: 0	Total Project Cost: 1,470,000		
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2022	Jan 1, 2031	10 Years	Adam Lacombe
			Completion Date
			Dec 31, 2031

Number:	4217TR	Scenario:	Main
Title:	Transit Electrification	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Technology, Environmental, Equipment Replacement
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description				Comments			
<p>To provide the necessary infrastructure, technology, and equipment to facilitate the transition of the North Bay Transit Services fleet of vehicles from fossil fuels to alternate fuel sources to meet net zero emission targets. As the roadmap evolves the details of the project objectives and requirements will be established.</p>				<p>North Bay Transit currently operates 12 diesel fueled buses, a combination of diesel and unleaded gas para-buses, and an unleaded gas support vehicle. Transit has the responsibility to reduce its carbon footprint and transition towards a net-zero carbon emissions fleet. The project will involve the purchase and installation of charging/ refueling stations and facilitating infrastructure, and replacing fossil-fuel vehicles with zero-emission vehicles.</p> <p>The project will be phased over several years (est. 5-8 years) to transition the fleet of fossil fueled vehicles to zero-emission fleet. The project will focus on infrastructure, technology, and equipment to facilitate the transition of the Transit fleet of vehicles. The plan will be coordinated and aligned with the, yet to be formalized/determined, Transit Fleet transition to zero-emission vehicles.</p> <p>As of 2021, North Bay Transit is participating in a Provincial wide initiative to develop a roadmap towards transitioning from fossil fueled transit vehicles to zero emission fueled vehicles. As the roadmap evolves the details of the project objectives and requirements will become clearer.</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2024			
Budget Year	Total Expense	Total Revenue	Difference				
2031	1,960,000	1,960,000	0				
	1,960,000	1,960,000	0				
LTD Amount: 0	Total Project Cost: 1,960,000						
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date		
2022	Jan 1, 2031	TBD	Drew Poeta		Dec 31, 2039		

Number:	4300RD	Scenario:	Main
Title:	Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to provide water and sanitary sewer services to the next phases of the Airport Industrial Park as well as servicing for the Highway 11 North corridor.</p> <p>Engineering services will include survey, an Environmental Assessment, sub-watershed studies, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northwest portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.</p> <p>Work in 2024 would be for the commencement of the following: update to the Environmental Assessment, sub-watershed study, and preliminary design.</p> <p>Related projects include 4300SS/ST/WS and 4208RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2027</td> <td>10,930,000</td> <td>10,930,000</td> <td>0</td> </tr> <tr> <td></td> <td>10,930,000</td> <td>10,930,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 578,200</td> <td colspan="2">Total Project Cost: 11,508,200</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2027	10,930,000	10,930,000	0		10,930,000	10,930,000	0	LTD Amount: 578,200		Total Project Cost: 11,508,200		
Budget Year	Total Expense	Total Revenue	Difference														
2027	10,930,000	10,930,000	0														
	10,930,000	10,930,000	0														
LTD Amount: 578,200		Total Project Cost: 11,508,200															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2023	25 Years	Adam Lacombe	Dec 31, 2030

Number:	4300SS	Scenario:	Main
Title:	Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to provide water and sanitary sewer services to the next phases of the Airport Industrial Park as well as servicing for the Highway 11 North corridor.</p> <p>Engineering services will include survey, an Environmental Assessment, sub-watershed studies, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northwest portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.</p> <p>Work in 2024 would be for the commencement of the following: update to the Environmental Assessment, sub-watershed study, and preliminary design.</p> <p>Related projects include 4300RD/ST/WS and 4208RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2027	19,350,000	19,350,000	0														
	19,350,000	19,350,000	0														
LTD Amount: 147,000		Total Project Cost: 19,497,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2030

Number:	4300ST	Scenario:	Main
Title:	Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to provide water and sanitary sewer services to the next phases of the Airport Industrial Park as well as servicing for the Highway 11 North corridor.</p> <p>Engineering services will include survey, an Environmental Assessment, sub-watershed studies, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northwest portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.</p> <p>Work in 2024 would be for the commencement of the following: update to the Environmental Assessment, sub-watershed study, and preliminary design.</p> <p>Related projects include 4300RD/SS/WS and 4208RD</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference														
2027	1,210,000	1,210,000	0														
	1,210,000	1,210,000	0														
LTD Amount: 49,000		Total Project Cost: 1,259,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2030

Number:	4300WS	Scenario:	Main
Title:	Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to provide water and sanitary sewer services to the next phases of the Airport Industrial Park as well as servicing for the Highway 11 North corridor.</p> <p>Engineering services will include survey, an Environmental Assessment, sub-watershed studies, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northwest portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.</p> <p>Work in 2024 would be for the commencement of the following: update to the Environmental Assessment, sub-watershed study, and preliminary design.</p> <p>Related projects include 4300RD/SS/ST and 4208RD</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2030

Number:	4302RD	Scenario:	Main
Title:	Pearson St. and Bank St. Culvert Replacements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering and construction for the replacement of the culverts on Pearson St. and Bank St.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The existing culverts on Pearson St. and Bank St. are at the end of their useful life and need to be replaced.</p> <p>The existing culverts are made of corrugated steel and will be replaced with plastic or concrete culverts.</p> <p>Work in 2024 will be for the preliminary and detailed design. Construction anticipated to start in 2025.</p> <p>Related projects include 4302ST.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Budget Year	Total Expense	Total Revenue	Difference																																							
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2023	25 Years	Adam Lacombe	Dec 31, 2026

Number:	4302ST	Scenario:	Main
Title:	Pearson St. and Bank St. Culvert Replacements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering and construction for the replacement of the culverts on Pearson St. and Bank St.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The existing culverts on Pearson St. and Bank St. are at the end of their useful life and need to be replaced.</p> <p>The existing culverts are made of corrugated steel and will be replaced with plastic or concrete culverts.</p> <p>Work in 2024 will be for the preliminary and detailed design. Construction anticipated to start in 2025.</p> <p>Related projects include 4302RD.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4303RD	Scenario:	Main
Title:	Premier Sidewalk and Resurfacing	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the extension of the existing sidewalk approximately 1.1 km to Champlain Park as well as resurfacing and ditching.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The existing sidewalk is located along the west side of Premier Road from Lakeshore Drive to approximately 720m to the south. Due to the proximity to Lake Nipissing, storm sewers would be too shallow and therefore is not feasible. Ditching will be required for the drainage and to separate the sidewalk from the roadway.</p> <p>The road surface has been identified for rehabilitation through the City's pavement management software.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	25 to 30 Years	Adam Lacombe	Dec 31, 2025

Number:	4304ST	Scenario:	Main
Title:	Airport Road Storm Sewer	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering and construction services to reconstruct the storm sewer system on Airport Road from Stockdale to Chippewa Creek. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.	The existing storm sewer is made of corrugated steel and has rusted and failed in several sections. The sewer will be replaced with plastic or concrete pipe. Work in 2024 will be for the preliminary and detailed design. Construction anticipated to start in 2024.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4305PK	Scenario:	Main
Title:	Carousel Parking Lot Paving	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to pave the parking lot adjacent to the waterfront carousels.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The existing parking lot surface is gravel. Paving of the parking lot will improve the level of service and reduce maintenance requirements.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2032	1,250,000	1,250,000	0														
	1,250,000	1,250,000	0														
LTD Amount: 0		Total Project Cost: 1,250,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2032

Number:	4306PR	Scenario:	Main
Title:	Mini-Train Underpass Pedestrian Walkway	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services to convert the mini-train underpass to a pedestrian walkway.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The mini-train underpass was originally constructed under the OVR/CPR train tracks in anticipation of extension of the mini-train system from the west side of the tracks to the park lands on the east side of the tracks. Through the Downtown Waterfront Master Plan, it was identified that it was desirable to repurpose the mini-train underpass as a pedestrian walkway to create another pedestrian connection from the downtown and park lands to the waterfront.</p> <p>Creation of the pedestrian walkway will involve the construction of a walking surface and an additional underpass under the existing mini-train track.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2026	1,520,000	1,520,000	0
	1,520,000	1,520,000	0
LTD Amount: 0		Total Project Cost: 1,520,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2023	Jan 1, 2032	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2032

Number:	4307RD	Scenario:	Main
Title:	Champlain & McKeown Intersection Improvements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to improve the intersection configuration and intersection safety.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>A traffic impact study completed for a redevelopment proposal of the former Trusler school property on Cartier identified that there are existing safety concerns with the intersection of Champlain and McKeown.</p> <p>An update to the McKeown Avenue environmental assessment was started in 2022 for the City's project to widen McKeown from Gormanville to Cartier. When the safety concerns at the Champlain intersection were identified, the City's project was expanded to include an analysis and design of safety improvements for the intersection. The improvements that are identified will be constructed through this project.</p> <p>Related projects include: 3801RD/ST/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>130,000</td> <td>130,000</td> <td>0</td> </tr> <tr> <td>2026</td> <td>1,600,000</td> <td>1,600,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,730,000</td> <td>1,730,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 1,730,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	130,000	130,000	0	2026	1,600,000	1,600,000	0		1,730,000	1,730,000	0	LTD Amount: 0		Total Project Cost: 1,730,000		
Budget Year	Total Expense	Total Revenue	Difference																		
2025	130,000	130,000	0																		
2026	1,600,000	1,600,000	0																		
	1,730,000	1,730,000	0																		
LTD Amount: 0		Total Project Cost: 1,730,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2025	25 Years	Adam Lacombe	Dec 31, 2027

Number:	4308RD	Scenario:	Main
Title:	Main St. Alleyway Drainage Improvements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description				Comments			
<p>The project involves the engineering and construction services to improve the drainage in the alleyway between Main St and the McIntyre parking garage.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>The Building Blocks group, comprised of Main West property owners, has provided a proposal to the City to revitalize the alleyway space to become an important activity and gathering place in the downtown that is strategically linked to the arts & culture sector. The goal is to achieve their vision through a number of infrastructure and programming proposals. The group has identified drainage concerns within the alleyway. Potential drainage alternatives include regrading, repaving, and a new storm sewer system.</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2024			
Budget Year	Total Expense	Total Revenue	Difference				
2025	15,000	15,000	0				
2026	270,000	270,000	0				
	285,000	285,000	0				
LTD Amount: 0		Total Project Cost: 285,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2023	Jan 1, 2024	25 Years	Adam Lacombe			Dec 31, 2027	

Number:	4309SL	Scenario:	Main
Title:	Oak Pedestrian Crossing	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STREET LIGHTS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to formalize the pedestrian crossing on Oak Street between Fraser and Ferguson.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The existing pedestrian crossing on Oak Street is an informal crosswalk. This project will analyze the requirements to implement a formal crosswalk in accordance with industry standards and the Highway Traffic Act. The formal crosswalk will include signage and potentially some form of signalization - i.e. rectangular rapid flashing beacons or standard traffic signals.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																								
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td></td> <td>100,000</td> <td>100,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 100,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	100,000	100,000	0		100,000	100,000	0	LTD Amount: 0		Total Project Cost: 100,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3117</td> <td>DESIGN FEES</td> <td>2,000</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>98,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>100,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>100,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>100,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3117	DESIGN FEES	2,000	3425	CONSTRUCTION CONTRACT	98,000	Total Expense:		100,000	Revenue			0461	TSF FRM REV FUND-PAYGO	100,000	Total Revenue:		100,000
Budget Year	Total Expense	Total Revenue	Difference																																						
2024	100,000	100,000	0																																						
	100,000	100,000	0																																						
LTD Amount: 0		Total Project Cost: 100,000																																							
GL Account	Description	Total Amount																																							
Expense																																									
3117	DESIGN FEES	2,000																																							
3425	CONSTRUCTION CONTRACT	98,000																																							
Total Expense:		100,000																																							
Revenue																																									
0461	TSF FRM REV FUND-PAYGO	100,000																																							
Total Revenue:		100,000																																							

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	25 to 35 Years	Adam Lacombe	Dec 31, 2025

Number:	4310RD	Scenario:	Main
Title:	Pearce St. Extension to Tower Dr.	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services to extend Pearce Street to Tower Drive.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The future extension of Pearce Street will be along the property line between two privately owned properties that will both be developed into subdivisions. The project will involve coordination of the road, sewer, and water design and construction between the two private owners and the City. The City will require that the road be upsized to a collector standard and that the water and sanitary sewer be upsized to trunk mains. The City will follow past practice and contribute funding for the incremental costs for upsizing the road and mains, with the balance being funded by the developers.</p> <p>Related projects include 4310ST/SS/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	1,720,000	1,720,000	0
	1,720,000	1,720,000	0
LTD Amount: 88,200		Total Project Cost: 1,808,200	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2023	Jan 1, 2023	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2026

Number:	4310SS	Scenario:	Main
Title:	Pearce St. Extension to Tower Dr.	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to extend Pearce Street to Tower Drive.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The future extension of Pearce Street will be along the property line between two privately owned properties that will both be developed into subdivisions. The project will involve coordination of the road, sewer, and water design and construction between the two private owners and the City. The City will require that the road be upsized to a collector standard and that the water and sanitary sewer be upsized to trunk mains. The City will follow past practice and contribute funding for the incremental costs for upsizing the road and mains, with the balance being funded by the developers.</p> <p>Related projects include 4310RD/ST/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>1,010,000</td> <td>1,010,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,010,000</td> <td>1,010,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 53,900</td> <td colspan="2">Total Project Cost: 1,063,900</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	1,010,000	1,010,000	0		1,010,000	1,010,000	0	LTD Amount: 53,900		Total Project Cost: 1,063,900		
Budget Year	Total Expense	Total Revenue	Difference														
2025	1,010,000	1,010,000	0														
	1,010,000	1,010,000	0														
LTD Amount: 53,900		Total Project Cost: 1,063,900															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4310ST	Scenario:	Main
Title:	Pearce St. Extension to Tower Dr.	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to extend Pearce Street to Tower Drive.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The future extension of Pearce Street will be along the property line between two privately owned properties that will both be developed into subdivisions. The project will involve coordination of the road, sewer, and water design and construction between the two private owners and the City. The City will require that the road be upsized to a collector standard and that the water and sanitary sewer be upsized to trunk mains. The City will follow past practice and contribute funding for the incremental costs for upsizing the road and mains, with the balance being funded by the developers.</p> <p>Related projects include 4310RD/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>910,000</td> <td>910,000</td> <td>0</td> </tr> <tr> <td></td> <td>910,000</td> <td>910,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 44,100</td> <td colspan="2">Total Project Cost: 954,100</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	910,000	910,000	0		910,000	910,000	0	LTD Amount: 44,100		Total Project Cost: 954,100		
Budget Year	Total Expense	Total Revenue	Difference														
2025	910,000	910,000	0														
	910,000	910,000	0														
LTD Amount: 44,100		Total Project Cost: 954,100															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4310WS	Scenario:	Main
Title:	Pearce St. Extension to Tower Dr.	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to extend Pearce Street to Tower Drive.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>The future extension of Pearce Street will be along the property line between two privately owned properties that will both be developed into subdivisions. The project will involve coordination of the road, sewer, and water design and construction between the two private owners and the City. The City will require that the road be upsized to a collector standard and that the water and sanitary sewer be upsized to trunk mains. The City will follow past practice and contribute funding for the incremental costs for upsizing the road and mains, with the balance being funded by the developers.</p> <p>Related projects include 4310RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2025</td> <td>810,000</td> <td>810,000</td> <td>0</td> </tr> <tr> <td></td> <td>810,000</td> <td>810,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 39,200</td> <td colspan="2">Total Project Cost: 849,200</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2025	810,000	810,000	0		810,000	810,000	0	LTD Amount: 39,200		Total Project Cost: 849,200		
Budget Year	Total Expense	Total Revenue	Difference														
2025	810,000	810,000	0														
	810,000	810,000	0														
LTD Amount: 39,200		Total Project Cost: 849,200															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4311RD	Scenario:	Main
Title:	Trout Lake Road Resurfacing (Highway 11/17 to Giroux)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services to rehabilitate the pavement surface on Trout Lake Road from Highway 11/17 to Connaught Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Trout Lake Road was fully reconstructed in 2009 from Highway 11/17 to Connaught Avenue which is approximately 1 km in length. The construction was completed with funding support from the MTO through its Connecting Link Program. The City performed some crack sealing in 2019 to extend the life of the asphalt. The section of road between Connaught and Giroux was resurfaced in 2015 and is now experiencing surface cracking. Geotechnical work will be undertaken in 2024 to determine the rehabilitation method, such as milling and paving the surface. The widening of the lanes at the Laurentian Avenue intersection is also included, as well as extending the left turn lane lengths.</p> <p>Also included in the project is on-road bike lanes or a 3m wide multi-use pathway (in boulevard) or a combination of the two from Highway 11/17 to Giroux Street to connect to the existing facilities on Trout Lake Road constructed in 2022 which will finalize the active transportation needs for this roadway.</p> <p>The City has applied to the MTO for Connecting Link grant funding, which, if approved, can provide 90% funding up to a maximum of a \$3.0 million contribution</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	100,000	100,000	0			
2025	3,460,000	3,460,000	0	3117	DESIGN FEES	100,000
	3,560,000	3,560,000	0			Total Expense: 100,000
LTD Amount: 0		Total Project Cost: 3,560,000				
				0461	TSF FRM REV FUND-PAYGO	100,000
						Total Revenue: 100,000

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	10 Years	Adam Lacombe	Dec 31, 2026

Number:	4313SS	Scenario:	Main
Title:	Pumping Station Condition Assessments	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering services to perform condition assessments on sanitary pumping stations and forcemains to determine current condition and next steps. Following the condition assessments, recommendations could include rehabilitation, expansion, or replacement.	In recent years, a number of sanitary pumping stations have been replaced (Gertrude & Wallace), identified for replacement (Premier & Kings Landing), been eliminated (Metcalf & Janey) or have had a recent condition assessment performed (Booth in 2021); however, there are eleven pumping stations remaining that do require condition assessments. The condition of these eleven pumping stations needs to be determined in order to optimize their functionality.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td></td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 250,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	250,000	250,000	0		250,000	250,000	0	LTD Amount: 0		Total Project Cost: 250,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>250,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>250,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>250,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>250,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	250,000	Total Expense:		250,000	Revenue			0461	TSF FRM REV FUND-PAYGO	250,000	Total Revenue:		250,000
Budget Year	Total Expense	Total Revenue	Difference																																			
2024	250,000	250,000	0																																			
	250,000	250,000	0																																			
LTD Amount: 0		Total Project Cost: 250,000																																				
GL Account	Description	Total Amount																																				
Expense																																						
3425	CONSTRUCTION CONTRACT	250,000																																				
Total Expense:		250,000																																				
Revenue																																						
0461	TSF FRM REV FUND-PAYGO	250,000																																				
Total Revenue:		250,000																																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	N/A	Adam Lacombe	Jun 30, 2025

Number:	4316ST	Scenario:	Main
Title:	Storm Sewer Condition Assessment	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering services to perform condition assessments on storm sewers to determine current condition and next steps. Following the condition assessments, recommendations could include rehabilitation, expansion, or replacement.	Staff primarily rely on pipe age and material to determine projected condition and assist with asset management analysis for project identification and prioritization. This project will improve specific asset knowledge of the actual condition of the sewer system and where the pipe is in its life cycle. The condition assessments will be conducted through CCTV inspections and industry standard rating systems. Under another project, a city-wide storm sewer system model will be started in 2024 to assist with identifying critical areas for the sewer condition assessments. Related projects include 4334ST, 6785ST.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>406,141</td> <td>406,141</td> <td>0</td> </tr> <tr> <td></td> <td>406,141</td> <td>406,141</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 406,141</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	406,141	406,141	0		406,141	406,141	0	LTD Amount: 0		Total Project Cost: 406,141		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>406,141</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>406,141</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>406,141</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>406,141</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	406,141	Total Expense:		406,141	Revenue			0461	TSF FRM REV FUND-PAYGO	406,141	Total Revenue:		406,141
Budget Year	Total Expense	Total Revenue	Difference																																			
2024	406,141	406,141	0																																			
	406,141	406,141	0																																			
LTD Amount: 0		Total Project Cost: 406,141																																				
GL Account	Description	Total Amount																																				
Expense																																						
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Revenue																																						
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Total Revenue:		406,141																																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	N/A	Adam Lacombe	Jun 30, 2025

Number:	4317SS	Scenario:	Main
Title:	Sanitary Sewer Condition Assessment	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering services to perform condition assessments on sanitary sewers to determine current conditions and next steps. Following the condition assessments, recommendations could include rehabilitation, expansion, or replacement.	Staff primarily rely on pipe age and material to determine projected condition and assist with asset management analysis for project identification and prioritization. This project will improve specific asset knowledge of the actual condition of the sewer system and where the pipe is in its life cycle. The condition assessments will be conducted through CCTV inspections and industry standard rating systems. Under another project, a city-wide sanitary sewer system model will be started in 2024 to assist with identifying critical areas for the sewer condition assessments. Related projects include 6785SS.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> <tr> <td></td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 500,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	500,000	500,000	0		500,000	500,000	0	LTD Amount: 0		Total Project Cost: 500,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>500,000</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>500,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>500,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>500,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	500,000	Total Expense:		500,000	Revenue			0461	TSF FRM REV FUND-PAYGO	500,000	Total Revenue:		500,000
Budget Year	Total Expense	Total Revenue	Difference																																			
2024	500,000	500,000	0																																			
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	N/A	Adam Lacombe	Jun 30, 2025

Number:	4318WS	Scenario:	Main
Title:	Watermain Condition Inspections	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering services to perform condition assessments on watermains in order to determine current condition and next steps. Following the condition assessments, recommendations could include rehabilitation, expansion, or replacement.	Staff primarily rely on pipe age and material to determine projected condition and assist with asset management analysis for project identification and prioritization. This project will improve specific asset knowledge of the actual condition of the water system and where the pipe is in its life cycle. The condition assessments will be conducted through testing of pipe segments obtained from emergency repairs and capital reconstruction, and through ball testing. Under another project, a city-wide water system model will be updated in 2023 to assist with identifying critical areas for the sewer condition assessments. This project will also include C-factor testing, which tests the roughness of the inside of watermains. This will provide important information for use in calibrating the water model. Related projects include 6785WS.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> <tr> <td></td> <td>500,000</td> <td>500,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td></td> <td>Total Project Cost: 500,000</td> <td></td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	500,000	500,000	0		500,000	500,000	0	LTD Amount: 0		Total Project Cost: 500,000		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>500,000</td> </tr> <tr> <td></td> <td>Total Expense:</td> <td>500,000</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>500,000</td> </tr> <tr> <td></td> <td>Total Revenue:</td> <td>500,000</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	500,000		Total Expense:	500,000	Revenue			0461	TSF FRM REV FUND-PAYGO	500,000		Total Revenue:	500,000
Budget Year	Total Expense	Total Revenue	Difference																																			
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0461	TSF FRM REV FUND-PAYGO	500,000																																				
	Total Revenue:	500,000																																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	N/A	Adam Lacombe	Dec 30, 2025

Number:	4319RD	Scenario:	Main
Title:	Jane St. Reconstruction (Timmins to Algonquin)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to upgrade Jane Street to a proper collector standard from Timmins Street to Algonquin Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Jane Street was originally constructed as a semi-urban collector (included ditches). Jane Street is a primary collector route between Algonquin Avenue and Gormanville Road that also services hospital bound traffic. As part of the hospital servicing, Jane Street was reconstructed between Birchwood Road and Timmins Street in 2006 and between Gormanville Avenue and Birchwood Road in 2008.</p> <p>This project was identified through the City's asset management software and is the remaining section of Jane Street that has not been reconstructed. The level of service improvement on this collector is desirable.</p> <p>Related projects include 4319ST/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2033</td> <td>210,000</td> <td>210,000</td> <td>0</td> </tr> <tr> <td></td> <td>210,000</td> <td>210,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 210,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2033	210,000	210,000	0		210,000	210,000	0	LTD Amount: 0	Total Project Cost: 210,000			
Budget Year	Total Expense	Total Revenue	Difference														
2033	210,000	210,000	0														
	210,000	210,000	0														
LTD Amount: 0	Total Project Cost: 210,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2033	25 Years	Adam Lacombe	Dec 31, 2036

Number:	4319SS	Scenario:	Main
Title:	Jane St. Reconstruction (Timmins to Algonquin)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to upgrade Jane Street to a proper collector standard from Timmins Street to Algonquin Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Jane Street was originally constructed as a semi-urban collector (included ditches). Jane Street is a primary collector route between Algonquin Avenue and Gormanville Road that also services hospital bound traffic. As part of the hospital servicing, Jane Street was reconstructed between Birchwood Road and Timmins Street in 2006 and between Gormanville Avenue and Birchwood Road in 2008.</p> <p>This project was identified through the City's asset management software and is the remaining section of Jane Street that has not been reconstructed. The level of service improvement on this collector is desirable.</p> <p>Related projects include 4319RD/ST/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2033	130,000	130,000	0														
	130,000	130,000	0														
LTD Amount: 0	Total Project Cost: 130,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4319ST	Scenario:	Main
Title:	Jane St. Reconstruction (Timmins to Algonquin)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to upgrade Jane Street to a proper collector standard from Timmins Street to Algonquin Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Jane Street was originally constructed as a semi-urban collector (included ditches). Jane Street is a primary collector route between Algonquin Avenue and Gormanville Road that also services hospital bound traffic. As part of the hospital servicing, Jane Street was reconstructed between Birchwood Road and Timmins Street in 2006 and between Gormanville Avenue and Birchwood Road in 2008.</p> <p>This project was identified through the City's asset management software and is the remaining section of Jane Street that has not been reconstructed. The level of service improvement on this collector is desirable.</p> <p>Related projects include 4319RD/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2033	90,000	90,000	0														
	90,000	90,000	0														
LTD Amount: 0	Total Project Cost: 90,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4319WS	Scenario:	Main
Title:	Jane St. Reconstruction (Timmins to Algonquin)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to upgrade Jane Street to a proper collector standard from Timmins Street to Algonquin Avenue.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Jane Street was originally constructed as a semi-urban collector (included ditches). Jane Street is a primary collector route between Algonquin Avenue and Gormanville Road that also services hospital bound traffic. As part of the hospital servicing, Jane Street was reconstructed between Birchwood Road and Timmins Street in 2006 and between Gormanville Avenue and Birchwood Road in 2008.</p> <p>This project was identified through the City's asset management software and is the remaining section of Jane Street that has not been reconstructed. The level of service improvement on this collector is desirable.</p> <p>Related projects include 4319RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2033	135,000	135,000	0														
	135,000	135,000	0														
LTD Amount: 0	Total Project Cost: 135,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4321SS	Scenario:	Main
Title:	Wastewater Treatment Plant Heat Exchanger and Sludge Transfer Piping	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the heat exchanger and sludge transfer piping at the Wastewater Treatment Plant.	The North Bay Wastewater Treatment Plant treats all wastewater for the City of North Bay's municipal sewage collection system. The digested sludge process requires a heat exchange and hundreds of meters of sludge piping. The current heat exchanger and sludge transfer piping are nearing the end of their useful lives and will need to be replaced.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>4,900,000</td> <td>4,900,000</td> <td>0</td> </tr> <tr> <td></td> <td>4,900,000</td> <td>4,900,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 4,900,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	4,900,000	4,900,000	0		4,900,000	4,900,000	0	LTD Amount: 0		Total Project Cost: 4,900,000		
Budget Year	Total Expense	Total Revenue	Difference														
2032	4,900,000	4,900,000	0														
	4,900,000	4,900,000	0														
LTD Amount: 0		Total Project Cost: 4,900,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2032	TBD	Karin Pratte	Dec 31, 2032

Number:	4322SS	Scenario:	Main
Title:	Wastewater Treatment Plant Blower Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the blowers at the North Bay Wastewater Treatment Plant.	The North Bay Wastewater Treatment Plant treats all wastewater for the City of North Bay's municipal sewage collection system. The facility uses the conventional activated sludge process for wastewater treatment. This process requires blowers to feed oxygen into the aeration tanks. The current blowers are nearing the end of their useful lives and will be due for replacement in 2032.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>3,920,000</td> <td>3,920,000</td> <td>0</td> </tr> <tr> <td></td> <td>3,920,000</td> <td>3,920,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 3,920,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	3,920,000	3,920,000	0		3,920,000	3,920,000	0	LTD Amount: 0	Total Project Cost: 3,920,000			
Budget Year	Total Expense	Total Revenue	Difference														
2032	3,920,000	3,920,000	0														
	3,920,000	3,920,000	0														
LTD Amount: 0	Total Project Cost: 3,920,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2032	30 Years	Karin Pratte	Dec 31, 2032

Number:	4323WS	Scenario:	Main
Title:	Water Plant & Facilities Condition Assessment Update	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for a condition assessment of the North Bay Water Treatment Plant and related facilities and facility assets in order to determine the current condition and next steps.	The condition assessment will be performed by a third party and its focus will be on the North Bay Water Treatment Plant and the related facilities and facility assets. The condition assessment will provide condition ratings and recommendations on these assets which will be fed into the asset management plan to aid in setting priorities for future capital upgrades, repairs, rehabilitations, and replacement.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Budget Year	Total Expense	Total Revenue	Difference																																							
2024	98,000	98,000	0																																							
2025	98,000	98,000	0																																							
	196,000	196,000	0																																							
LTD Amount: 0	Total Project Cost: 196,000																																									
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Revenue																																										
0461	TSF FRM REV FUND-PAYGO	98,000																																								
	Total Revenue:	98,000																																								

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2025

Number:	4324SS	Scenario:	Main
Title:	Algonquin Sanitary Sewer Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering and construction services for rehabilitation of various sections of sanitary sewer on Algonquin Avenue between Lansdowne and Cassells.	The City's asset management software has identified various sections of sanitary sewer on Algonquin Avenue in need for rehabilitation. Rehabilitation recommendations may include sewer relining, spot repairs, and other trenchless technologies methods.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>1,870,000</td> <td>1,870,000</td> <td>0</td> </tr> <tr> <td></td> <td>1,870,000</td> <td>1,870,000</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="3">Total Project Cost: 1,870,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	1,870,000	1,870,000	0		1,870,000	1,870,000	0	LTD Amount: 0	Total Project Cost: 1,870,000			
Budget Year	Total Expense	Total Revenue	Difference														
2032	1,870,000	1,870,000	0														
	1,870,000	1,870,000	0														
LTD Amount: 0	Total Project Cost: 1,870,000																

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2033

Number:	4325SS	Scenario:	Main
Title:	Fisher Sanitary Sewer Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
The project involves the engineering and construction services for rehabilitation of various sections of sanitary sewer on Fisher Street between Highway 11/17 and Main St.		The City's asset management software has identified various sections of sanitary sewer on Fisher Street in need of rehabilitation. Rehabilitation recommendations may include sewer relining, spot repairs, and other trenchless technologies methods.	

Scenario Description		Scenario Comments	

Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2032	3,110,000	3,110,000	0
	3,110,000	3,110,000	0
LTD Amount: 0	Total Project Cost: 3,110,000		

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2032	25 Years	Adam Lacombe	Dec 31, 2033

Number:	4326WS	Scenario:	Main
Title:	Ellendale Check Valve Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the Ellendale Reservoir inlet and outlet check valves.	The Ellendale Reservoir is the largest reservoir in the City of North Bay and provides floating head pressure to zone 1 (the majority of the City of North Bay). The inlet and outlet of the reservoir have check valves which direct flows. Their operation is critical to the reservoir and pumping station functionality and need to be replaced.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2025	TBD	Karin Pratte	Dec 31, 2025

Number:	4330TR	Scenario:	Main
Title:	Construction of Sidewalks for Transit Routes - Phase 2	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project is for the construction of new sidewalks to transit stops.	<p>This project will construct new sidewalks to comply with the Municipal Right-of-Way for direct routing of pedestrians to transit stops (approximately 5.2km). This includes connecting existing sidewalks to permit a continuous pedestrian path to established transit stops.</p> <p>Budget includes funding through the Investing in Canada Infrastructure Program.</p> <p>The following sidewalks will be completed:</p> <p>2026/2027 - Stockdale (Airport to Shirreff), Shirreff (Stockdale to existing sidewalk), Norwood (Algonquin to Beattie), and Beattie (Maplewood to Norwood)</p> <p>2028/2029 - Dane (Chapais to Frost), Frost (Dane to Angus), and Albert (Frost to O'Brien)</p> <p>2030/2031 - Oak (Wyld to Main), John (Oak to Main), and Pearce (Greenhill to pipeline)</p> <p>Related projects include 4021TR.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	30 Years	Drew Poeta	Dec 31, 2031

Number:	4334ST	Scenario:	Main
Title:	Storm Sewer Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering and construction services to rehabilitate storm sewers in the City that are in a poor condition.</p> <p>Engineering services will include contract drawings, specifications, tendering and construction.</p>	<p>There are a number of storm sewers at or nearing the end of their service life with critical deficiencies and risk of failure. The mitigation measures will include both repair works to current deficiencies and proactive works to prevent the further deterioration and failure of the highest risk storm sewers.</p> <p>Storm sewer condition assessments will be performed through capital project 4316ST - Storm Sewer Condition Assessment.</p> <p>Related projects include 4316ST and 6750ST.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2027	25 Years	Adam Lacombe	Dec 31, 2028

Number:	4335GG	Scenario:	Main
Title:	Administration and Overhead	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - General Government	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funding for the administration and overhead costs incurred to manage and administer the capital budget.	This project includes the costs related to providing administrative support to the various capital projects; including, personnel costs, software licensing, asset management oversight, and credit rating review costs. In past years, the administration and overhead expense was allocated to each individual project.

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	N/A	Margaret Karpenko	Dec 31, 2024

Number:	4336GG	Scenario:	Main
Title:	Asset Management Transition	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability,...
Division:	Capital - General Government	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds to implement the City's Asset Management Plan in order to meet legislative requirements as well as to assist in financing policy changes.	<p>Council approved the updated Asset Management Plan (AMP) in 2022. This AMP addresses the core infrastructure assets, which includes roads, bridges and culverts, stormwater management, and water and wastewater distribution and plants. This plan identified an annual funding shortfall of \$27.4 million in order to replace existing infrastructure assets.</p> <p>This project will assist with the implementation of the AMP and support changes to financing policies.</p> <p>Related projects include 4336SS, 4336WS</p>

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	TBD	Margaret Karpenko	Dec 31, 2033

Number:	4336SS	Scenario:	Main
Title:	Asset Management Transition	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds to implement the City's Asset Management Plan in order to meet legislative requirements as well as to assist in financing policy changes.	<p>Council approved the updated Asset Management Plan (AMP) in 2022. This AMP addresses the core infrastructure assets, which includes roads, bridges and culverts, stormwater management, and water and wastewater distribution and plants. This plan identified an annual funding shortfall of \$27.4 million in order to replace existing infrastructure assets.</p> <p>This project will assist with the implementation of the AMP and support changes to financing policies.</p> <p>Related projects include 4336GG, 4336WS</p>

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2023	TBD	Margaret Karpenko	Dec 31, 2033

Number:	4336WS	Scenario:	Main
Title:	Asset Management Transition	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability,...
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds to implement the City's Asset Management Plan in order to meet legislative requirements as well as to assist in financing policy changes.	Council approved the updated Asset Management Plan (AMP) in 2022. This AMP addresses the core infrastructure assets, which includes roads, bridges and culverts, stormwater management, and water and wastewater distribution and plants. This plan identified an annual funding shortfall of \$27.4 million in order to replace existing infrastructure assets. This project will assist with the implementation of the AMP and support changes to financing policies. Related projects include 4336GG, 4336SS

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	TBD	Margaret Karpenko	Dec 31, 2033

Number:	4340ST	Scenario:	Main
Title:	Laurentian Heights Stormwater Management Pond	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for a regional stormwater management pond as well as the upstream and downstream drainage systems.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, and construction.</p>	<p>The 2008 Surrey Phase 1 Subdivision Agreement established the City's and Laurentian Heights Limited's (LHL) cost-share percentages for a temporary stormwater management (SWM) pond as well as a future permanent SWM pond. The cost-share percentages were based on proportions of existing development to proposed new development by LHL.</p> <p>The engineering and construction is being undertaken by a consultant and contractor hired by the developer. The costs budgeted for this project represent the City's estimated contribution to the design and construction of the SWM pond, as well as the upstream and downstream system improvements.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2022	Jan 1, 2023	50 Years	Adam Lacombe	Dec 31, 2024

Number:	4343PZ	Scenario:	Main
Title:	Wayfinding	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development, Master Plans
Division:	Capital - Community Services	Project Type:	PLANNING & ZONING
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for a comprehensive community wide wayfinding strategy for pedestrian and vehicular traffic.</p> <p>Building on the Downtown Waterfront Master Plan and the installation of a number of community projects including the All-Wheel Park, Rotary Splash Pad & Playground, Multi-Use Courts and the ongoing revitalization of Main Street, the Wayfinding project will provide a comprehensive City-wide plan and implementation of signage in the Downtown and Waterfront.</p>	<p>This project will focus on the implementation for the Downtown Waterfront and would support various projects that have been completed at the Downtown Waterfront (Splashpad, Multi-Use Courts, All-Wheel Park, etc.).</p> <p>Wayfinding is a critical component of the larger physical space transformations that have occurred over many years throughout the City. The larger strategy will establish a long-term plan to transform the City's wayfinding. The strategy will ensure cohesive, well thought out, integrated community signage that adapts to users at all levels including entrance, directional, identification of key areas and interpretive signage. The project will assist community members and visitors in identifying their physical location and help them understand what community amenities exist and how to get to where they want to be.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Beverley Hillier	Dec 31, 2025

Number:	4344RD	Scenario:	Main
Title:	O'Brien Street - Ski Club to Airport & Ski Club Signals	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway on O'Brien from Airport to Ski Club to improve the road to a current urban collector road standard, as well as installation of new traffic signals at the intersection of O'Brien and Ski Club. The capacity and condition of the existing underground infrastructure (storm, sanitary, and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>		<p>The configuration of O'Brien from Airport to Ski Club does not meet current urban collector standards. The roadway and intersection at Ski Club has reached its capacity and requires upgrading to reduce congestion in the area. The Ski Club intersection is currently controlled by an all-way stop control - replacement of this control with traffic signals that are coordinated with the traffic signals at the Airport Road intersection will provide increased capacity. Upgrading the road to meet current urban collector standards, including the addition of curb and gutters and a proper drainage system will provide more traffic capacity and will improve the life expectancy of the pavement structure. The road was resurfaced in 2021 to provide a suitable driving surface in the interim.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 3920ST/SS/WS and 4032RD/ST/SS/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	80,000	80,000	0
2026	1,480,000	1,480,000	0
	1,560,000	1,560,000	0
LTD Amount: 0		Total Project Cost: 1,560,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2025	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2027

Number:	4344SS	Scenario:	Main
Title:	O'Brien Street - Ski Club to Airport & Ski Club Signals	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway on O'Brien from Airport to Ski Club to improve the road to a current urban collector road standard, as well as installation of new traffic signals at the intersection of O'Brien and Ski Club. The capacity and condition of the existing underground infrastructure (storm, sanitary, and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The configuration of O'Brien from Airport to Ski Club does not meet current urban collector standards. The roadway and intersection at Ski Club has reached its capacity and requires upgrading to reduce congestion in the area. The Ski Club intersection is currently controlled by an all-way stop control - replacement of this control with traffic signals that are coordinated with the traffic signals at the Airport Road intersection will provide increased capacity. Upgrading the road to meet current urban collector standards, including the addition of curb and gutters and a proper drainage system will provide more traffic capacity and will improve the life expectancy of the pavement structure. The road was resurfaced in 2021 to provide a suitable driving surface in the interim.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 3920RD/ST/WS and 4032RD/ST/SS/WS.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2019	Jan 1, 2025	75 Years	Adam Lacombe	Dec 31, 2027

Number:	4344ST	Scenario:	Main
Title:	O'Brien Street - Ski Club to Airport & Ski Club Signals	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway on O'Brien from Airport to Ski Club to improve the road to a current urban collector road standard, as well as installation of new traffic signals at the intersection of O'Brien and Ski Club. The capacity and condition of the existing underground infrastructure (storm, sanitary, and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The configuration of O'Brien from Airport to Ski Club does not meet current urban collector standards. The roadway and intersection at Ski Club has reached its capacity and requires upgrading to reduce congestion in the area. The Ski Club intersection is currently controlled by an all-way stop control - replacement of this control with traffic signals that are coordinated with the traffic signals at the Airport Road intersection will provide increased capacity. Upgrading the road to meet current urban collector standards, including the addition of curb and gutters and a proper drainage system will provide more traffic capacity and will improve the life expectancy of the pavement structure. The road was resurfaced in 2021 to provide a suitable driving surface in the interim.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 3920RD/SS/WS and 4032RD/ST/SS/WS.</p>

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LTD Amount: 0		Total Project Cost: 490,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2019	Jan 1, 2025	75 Years	Adam Lacombe	Dec 31, 2027

Number:	4344WS	Scenario:	Main
Title:	O'Brien Street - Ski Club to Airport & Ski Club Signals	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway on O'Brien from Airport to Ski Club to improve the road to a current urban collector road standard, as well as installation of new traffic signals at the intersection of O'Brien and Ski Club. The capacity and condition of the existing underground infrastructure (storm, sanitary, and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>		<p>The configuration of O'Brien from Airport to Ski Club does not meet current urban collector standards. The roadway and intersection at Ski Club has reached its capacity and requires upgrading to reduce congestion in the area. The Ski Club intersection is currently controlled by an all-way stop control - replacement of this control with traffic signals that are coordinated with the traffic signals at the Airport Road intersection will provide increased capacity. Upgrading the road to meet current urban collector standards, including the addition of curb and gutters and a proper drainage system will provide more traffic capacity and will improve the life expectancy of the pavement structure. The road was resurfaced in 2021 to provide a suitable driving surface in the interim.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 3920RD/ST/SS and 4032RD/ST/SS/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	40,000	40,000	0
2026	690,000	690,000	0
	730,000	730,000	0
LTD Amount: 0		Total Project Cost: 730,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2019	Jan 1, 2025	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2027

Number:	4345SS	Scenario:	Main
Title:	King's Landing Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering and construction services to replace the King's Landing pumping station.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The existing sanitary pumping station is located at the corner of Memorial Drive and the King's Landing access road. The pumping station is nearing the end of its useful life and requires replacement.</p> <p>The replacement of the King's Landing pumping station would service existing facilities draining to the pumping station and have capacity to service future development, including development at the former Kenroc site.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2025	50 Years	Adam Lacombe	Dec 31, 2027

Number:	4346RF	Scenario:	Main
Title:	Pete Palangio HVAC/HRB Replacements	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for the replacement of the existing HVAC units which provide heat and ventilation to the arena lobby and heated viewing area, as well as heat, dehumidification and ventilation for the change rooms.		The City is unable to source parts for the existing units which are beyond their expected service life. The replacement unit will simplify operation and control and provide higher efficiency compared to the failed units.	

Scenario Description		Scenario Comments	
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Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	500,000	500,000	0	Expense		
	500,000	500,000	0	3425	CONSTRUCTION CONTRACT	500,000
LTD Amount: 0		Total Project Cost: 500,000				Total Expense: 500,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	270,000
				0470	TSF FROM RESERVE FUND	230,000
						Total Revenue: 500,000

Related Projects		Operating Impacts	
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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	David Jackowski	Dec 31, 2024

Number:	4347RF	Scenario:	Main
Title:	Capital Centre & Museum Digital Display Signage	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
This project, combined with the Wayfinding Project (4343PZ), will support the installation of new digital exterior displays at the Capital Centre and Museum.	The existing digital display at the Capital Centre is reaching the end of its useful life and would be replaced with a new modern sign appropriate for the size and scale of the building. The existing digital display located within the existing clock tower at the Museum is broken and has not worked for a number of years. The new digital display will be replaced within the existing clock tower.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2025	10 Years	David Jackowski	Dec 31, 2026

Number:	4348PR	Scenario:	Main
Title:	Cricket Pitch Construction	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
The project would support the design and construction of a permanent cricket field.	<p>The City of North Bay does not have a dedicated cricket facility. Currently cricket is played where a field can be temporarily redeveloped for this purpose, however, this solution provides significant challenges based on the field size needs and increasing demands for fields.</p> <p>Throughout 2023 staff have worked with local cricket enthusiasts to determine if an existing field location could be utilized or redeveloped as a new cricket location in the City and have developed concepts with high level cost estimates.</p> <p>Throughout 2024 the City would work to finalize a location for the cricket field and complete the detailed design and detailed cost estimate. Construction would then begin in 2026 for a completed facility by the fall of 2026. Future impacts on parks operations will be determined once the successful location of the cricket field is determined.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																												
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Mark Thomas	Dec 31, 2026

Number:	4349PR	Scenario:	Main
Title:	Engine 503 Diesel Static Display and Disposition of FP7A	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
The project would support a refurbishment feasibility study and the static display design for Engine 503.	<p>Engine 503 is a historic steam locomotive owned by the City of North Bay located on City lands at the western end of Wyld Street and identified in the Downtown Waterfront Master plan for development.</p> <p>The City's component of the project would be all aspects of the static display including a Designated Substance Survey on Engine 503 and 2 other train cars located on the same City lands, confirming final locations, soil management remediation (if and as required), underground services, lighting, fencing, security, landscaping and interpretive signage.</p> <p>The relocation of Engine 503 and disposal of the other 2 train cars are required as part of the development of the Innovation Hub parcel at the west end of Wyld Street.</p> <p>"Fire-up 503", a local community group, is exploring the feasibility of refurbishing the steam engine and establishing a tourist rail experience utilizing the engine.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	50 Years	Mark Thomas	Dec 31, 2025

Number:	4350PR	Scenario:	Main
Title:	Centennial Parkette	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project will provide for creation of the Centennial Parkette.	This project is to create a parkette on the underutilized City lands at the intersection of Algonquin Avenue, Main Street and Cassells Street. The parkette location is at an entry point to the City's core and provides the opportunity to enhance this space. The design will include art sculpture, landscaping and seating. It is proposed this parkette will commemorate the 100th anniversary of the incorporation of the City of North Bay.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																								
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Mark Thomas	Dec 31, 2024

Number:	4351FD	Scenario:	Main
Title:	Special SCBA Decontamination Washer	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	FIRE DEPARTMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project is for the purchase of a SCBA decontamination washer for the Fire Department.	SCBA and PPE are essential for firefighters working in hazardous environments. NBFES has been developing a cancer prevention program that includes the use, washing, charging, education, repair and management of PPE and SCBA to improve work efficiency, but also enhances the safety and health of firefighters. Cancer is a leading cause of death among firefighters. The International Agency for Research on Cancer (IARC), the cancer agency of the World Health Organization (WHO), has re-evaluated firefighting and classified fire fighter occupational exposure as a group 1 carcinogen. WSIB has estimated that Firefighter cancers have cost the system \$208 million since 2018.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Jason Whiteley	Dec 31, 2024

Number:	4352GG	Scenario:	Main
Title:	Mail Machine and Sorter	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Corporate Services	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funding for the purchase of a mail machine and sorter.	This project includes the purchase of a mail machine and sorter to replace the existing equipment that has reached the end of their useful lives.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Judy Bechard	Dec 31, 2024

Number:	4353GG	Scenario:	Main
Title:	Organizational Review Implementation	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - General Government	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funding to implement recommendations identified through the organizational review as approved and directed by Council.	KPMG was engaged in 2023 to conduct an organizational review for the City of North Bay. The results of the review are expected to be finalized and presented to Council in early April 2024. This project provides funding to implement recommendations approved by Council following KPMG's final report and presentation.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																													
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	John Severino	Dec 31, 2026

Number:	4354RD	Scenario:	Main
Title:	Citywide Traffic Model	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the engineering services for preparation and maintenance of a model for the City's transportation network.	<p>Infrastructure models can be used to analyze the capacity of the existing systems, analyze the impacts and feasibility of expanding the system, or help identify improvements and potential efficiencies, such as road widening and new traffic signals.</p> <p>The models will assist with development review in identifying system capacities and issues for new development and redevelopment.</p> <p>Once established, all of the models will need to be maintained on a regular basis for changes in the systems.</p> <p>This funding will be used for the development and maintenance of the infrastructure model.</p> <p>Related projects include 6785ST/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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0461	TSF FRM REV FUND-PAYGO	100,000																																				
	Total Revenue:	100,000																																				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Apr 1, 2024	N/A	Adam Lacombe	Dec 31, 2025

Number:	4355RD	Scenario:	Main
Title:	Kodiak Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and storm system on Kodiak. The capacity and condition of the remaining existing underground infrastructure (sanitary and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The above-ground infrastructure on Kodiak (pavement and curbs) has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. A number of areas of the roadway have poor drainage resulting in curbs and pavement areas that have heaved or subsided. Additionally, sections of shallow storm sewer have repeatedly heaved and disturbed the pavement structure. Without correcting the drainage issues, rehabilitation of the road asphalt would only result in short-term benefits. To correct the drainage issues, the curb and gutter and storm sewer will need to be replaced. Additionally, the granular material in the road base has likely been compromised and in need of replacement.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 4355ST/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	25	Adam Lacombe	Dec 31, 2026

Number:	4355SS	Scenario:	Main
Title:	Kodiak Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and storm system on Kodiak. The capacity and condition of the remaining existing underground infrastructure (sanitary and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The above-ground infrastructure on Kodiak (pavement and curbs) has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. A number of areas of the roadway have poor drainage resulting in curbs and pavement areas that have heaved or subsided. Additionally, sections of shallow storm sewer have repeatedly heaved and disturbed the pavement structure. Without correcting the drainage issues, rehabilitation of the road asphalt would only result in short-term benefits. To correct the drainage issues, the curb and gutter and storm sewer will need to be replaced. Additionally, the granular material in the road base has likely been compromised and in need of replacement.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 4355RD/ST/WS</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4355ST	Scenario:	Main
Title:	Kodiak Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and storm system on Kodiak. The capacity and condition of the remaining existing underground infrastructure (sanitary and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The above-ground infrastructure on Kodiak (pavement and curbs) has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. A number of areas of the roadway have poor drainage resulting in curbs and pavement areas that have heaved or subsided. Additionally, sections of shallow storm sewer have repeatedly heaved and disturbed the pavement structure. Without correcting the drainage issues, rehabilitation of the road asphalt would only result in short-term benefits. To correct the drainage issues, the curb and gutter and storm sewer will need to be replaced. Additionally, the granular material in the road base has likely been compromised and in need of replacement.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 4355RD/SS/WS.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4355WS	Scenario:	Main
Title:	Kodiak Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and storm system on Kodiak. The capacity and condition of the remaining existing underground infrastructure (sanitary and water) will be evaluated to determine if any work is required to repair, rehabilitate, or replace the infrastructure.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction.</p>	<p>The above-ground infrastructure on Kodiak (pavement and curbs) has reached the end of its useful life and is no longer a candidate for rehabilitation treatments. A number of areas of the roadway have poor drainage resulting in curbs and pavement areas that have heaved or subsided. Additionally, sections of shallow storm sewer have repeatedly heaved and disturbed the pavement structure. Without correcting the drainage issues, rehabilitation of the road asphalt would only result in short-term benefits. To correct the drainage issues, the curb and gutter and storm sewer will need to be replaced. Additionally, the granular material in the road base has likely been compromised and in need of replacement.</p> <p>The complete replacement of the above-ground infrastructure provides the opportunity to repair, rehabilitate, or replace the underground infrastructure.</p> <p>Related projects include 4355RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4356RD	Scenario:	Main
Title:	Marshall Bike Lanes	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering and construction services for creation of bike lanes on Marshall Avenue from Lakeshore Drive to Booth Road and the Kate Pace Way.	The City's Active Transportation Master Plan identified the need for a future multi-use asphalt trail along Marshall Avenue. Further examination of the existing conditions identified that as an interim solution, bike lanes could be implemented. The road width from Lakeshore Drive to Marshall Park Drive is wider than standard and can accommodate the addition of bike lanes without any additional construction. Also, sections of the roadway between Marshall Park Drive and Booth Road have an existing paved shoulder, which could be expanded to implement bike lanes along the entire roadway.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
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Budget Year	Total Expense	Total Revenue	Difference														
2027	220,000	220,000	0														
	220,000	220,000	0														
LTD Amount: 0		Total Project Cost: 220,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Apr 1, 2027	25 Years	Adam Lacombe	Dec 31, 2027

Number:	4357RD	Scenario:	Main
Title:	Signalized Pedestrian Crossing	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering and construction services for creation of new signalized pedestrian crossings. Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction.	In addition to the Oak Pedestrian crossing (Project 4309SL), other locations will be examined for pedestrian crossing needs and warrants. Related projects include 4309SL

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Adam Lacombe	Dec 31, 2026

Number:	4358GD	Scenario:	Main
Title:	Short-term Leachate Management Control System (STLMCS) Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	WASTE DISPOSAL
Budget Year:	2024	Active:	Yes

Description	Comments
This projects provides for upgrades to the short-term leachate management control system (STLMCS) at the Merrick Landfill.	The STLMCS is a requirement of the Environmental Compliance Approval (ECA). The project will provide for engineering and construction for upgrading the current STLMCS in order to increase capacity.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																								
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	4359RD	Scenario:	Main
Title:	Princess (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Princess from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>		<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4359ST/SS/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2024	460,000	460,000	0
	460,000	460,000	0
LTD Amount: 0		Total Project Cost: 460,000	
		GL Account	Description
		Expense	Total Amount
		3425	CONSTRUCTION CONTRACT
			460,000
		Total Expense:	460,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
			460,000
		Total Revenue:	460,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2024	Jan 1, 2024	25 Years	Adam Lacombe
			Completion Date
			Dec 31, 2025

Number:	4359SS	Scenario:	Main
Title:	Princess (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description				Comments			
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Princess from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>				<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4359RD/ST/WS</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2024			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2024	460,000	460,000	0	Expense			
	460,000	460,000	0	3425	CONSTRUCTION CONTRACT		460,000
LTD Amount: 0		Total Project Cost: 460,000		Revenue		Total Expense:	460,000
				0461	TSF FRM REV FUND-PAYGO		460,000
						Total Revenue:	460,000
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2024	Jan 1, 2024	75 Years	Adam Lacombe			Dec 31, 2025	

Number:	4359ST	Scenario:	Main
Title:	Princess (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Princess from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>		<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4359RD/SS/WS</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2024	320,000	320,000	0
	320,000	320,000	0
LTD Amount: 0		Total Project Cost: 320,000	
		GL Account	Description
		Expense	Total Amount
		3425	CONSTRUCTION CONTRACT
			320,000
		Total Expense:	320,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
			320,000
		Total Revenue:	320,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2024	Jan 1, 2024	75 Years	Adam Lacombe
			Completion Date
			Dec 31, 2025

Number:	4359WS	Scenario:	Main
Title:	Princess (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Princess from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>	<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4359RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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Budget Year	Total Expense	Total Revenue	Difference																																			
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Adam Lacombe	Dec 31, 2025

Number:	4360RD	Scenario:	Main
Title:	Duke (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Duke from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>	<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4360 ST/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Adam Lacombe	Dec 31, 2026

Number:	4360SS	Scenario:	Main
Title:	Duke (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Duke from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>	<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4360 RD/ST/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4360ST	Scenario:	Main
Title:	Duke (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Duke from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>	<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4360RD/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4360WS	Scenario:	Main
Title:	Duke (Cassells to Fraser)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the complete reconstruction of the roadway and underground infrastructure on Duke from Cassells to Fraser.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications. Construction is planned to be completed by Public Works.</p>	<p>The underground infrastructure has reached the end of its useful life. The existing sanitary sewer material is clay and difficult to repair and the watermain size does not meet the City's current standards. The existing drainage system is minimal and does not meet current standards (no ditches, no curb and gutter, and no storm sewers are in place). Full reconstruction of the underground infrastructure will necessitate the full reconstruction of the above-ground infrastructure.</p> <p>Related projects include 4360RD/ST/SS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Adam Lacombe	Dec 31, 2026

Number:	4361SL	Scenario:	Main
Title:	Marshall Park & Lakeshore Drive Traffic Signals	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves the engineering services and the reconstruction of traffic signals. Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction.	The traffic signals have reached the end of their useful life and require complete replacement.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	25 Years	Adam Lacombe	Dec 31, 2026

Number:	4362ST	Scenario:	Main
Title:	Airport Heights & Cedar Heights Master Drainage Plans	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project involves engineering services to prepare master drainage plans for the Cedar Heights and Airport Heights areas, in order to provide support for future development.	The Airport Heights and Cedar Heights areas are identified in the Official Plan as growth areas. The master drainage plans will look at stormwater management on a regional basis rather than on a piecemeal site-by-site basis, and will support future growth as well as North Bay's assigned housing target.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2026</td> <td>210,000</td> <td>210,000</td> <td>0</td> </tr> <tr> <td></td> <td>210,000</td> <td>210,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 210,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2026	210,000	210,000	0		210,000	210,000	0	LTD Amount: 0		Total Project Cost: 210,000		
Budget Year	Total Expense	Total Revenue	Difference														
2026	210,000	210,000	0														
	210,000	210,000	0														
LTD Amount: 0		Total Project Cost: 210,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jun 1, 2024	N/A	Adam Lacombe	Dec 31, 2026

Number:	4363SS	Scenario:	Main
Title:	Centrifuge Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the centrifuge at the Wastewater Treatment Plant (WWTP).	The WWTP has two centrifuges which dewater sludge prior to it being transported to the landfill. The centrifuge options is critical to the wastewater process. This project provides for the replacement of one of the centrifuges which will be at the end of its useful life.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2033</td> <td>2,000,000</td> <td>2,000,000</td> <td>0</td> </tr> <tr> <td></td> <td>2,000,000</td> <td>2,000,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 2,000,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2033	2,000,000	2,000,000	0		2,000,000	2,000,000	0	LTD Amount: 0		Total Project Cost: 2,000,000		
Budget Year	Total Expense	Total Revenue	Difference														
2033	2,000,000	2,000,000	0														
	2,000,000	2,000,000	0														
LTD Amount: 0		Total Project Cost: 2,000,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2033	TBD	Karin Pratte	Dec 31, 2033

Number:	4364WS	Scenario:	Main
Title:	Lee Park Watermain Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for rehabilitation of the trunk watermain in Lee Park.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction.</p>	<p>Portions of the 400 mm watermain running through Lee Park have failed in recent years necessitating emergency repairs. The last break occurred immediately adjacent to Chippewa Creek. This project will rehabilitate portions of the existing watermain to provide resiliency in the system and minimize future emergency repairs. Several methods of rehabilitation will be implemented, including relining and directional drilling.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																					
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Budget Year	Total Expense	Total Revenue	Difference																																			
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	75 Years	Adam Lacombe	Dec 31, 2025

Number:	4365RD	Scenario:	Main
Title:	Trout Lake Road Retaining Wall Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the rehabilitation/ reconstruction of the retaining wall and storm drainage system between Lakeheights Rd. and Lees Rd.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p>	<p>The existing retaining wall located between Lakeheights Road and Lees Road on the north side of Trout Lake Road has significant cracking. A condition assessment was carried out in 2016 which identified that the retaining wall was subject to alkali–aggregate reaction - an irreversible condition causing expansion and cracking. The wall will need replacement or significant rehabilitation to extend some life in the wall.</p> <p>In addition, the retaining wall drainage system is not performing properly, especially during the spring melt.</p> <p>Project 4006RD - Trout Lake Road (Mountainview to Lees Road) was substantially completed in 2022 and involves the reconstruction of the roadway adjacent to the wall.</p> <p>Related project includes 4365ST and 4006RD.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2032	160,000	160,000	0																		
2033	3,200,000	3,200,000	0																		
	3,360,000	3,360,000	0																		
LTD Amount: 0		Total Project Cost: 3,360,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2032	50 Years	Adam Lacombe	Dec 31, 2034

Number:	4365ST	Scenario:	Main
Title:	Trout Lake Road Retaining Wall Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the rehabilitation/reconstruction of the retaining wall and storm drainage system between Lakeheights Rd. and Lees Rd.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p>	<p>The existing retaining wall located between Lakeheights Road and Lees Road on the north side of Trout Lake Road has significant cracking. A condition assessment was carried out in 2016 which identified that the retaining wall was subject to alkali–aggregate reaction - an irreversible condition causing expansion and cracking. The wall will need replacement or significant rehabilitation to extend some life in the wall.</p> <p>In addition, the retaining wall drainage system is not performing properly, especially during the spring melt.</p> <p>Project 4006RD - Trout Lake Road (Mountainview to Lees Road) was substantially completed in 2022 and involves the reconstruction of the roadway adjacent to the wall.</p> <p>Related project includes 4365RD and 4006RD.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference																		
2032	20,000	20,000	0																		
2033	320,000	320,000	0																		
	340,000	340,000	0																		
LTD Amount: 0		Total Project Cost: 340,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2032	75 Years	Adam Lacombe	Dec 31, 2033

Number:	4401RD	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The program involves the engineering and construction services for the reconstruction of the above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>Related projects include 4401SS/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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2029	290,000	290,000	0																		
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LTD Amount: 0		Total Project Cost: 6,050,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2029	25 Years	Adam Lacombe	Dec 31, 2033

Number:	4401SS	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The program involves the engineering and construction services for the reconstruction of the above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>Related projects include 4401RD/ST/WS.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference																		
2029	65,000	65,000	0																		
2031	1,260,000	1,260,000	0																		
	1,325,000	1,325,000	0																		
LTD Amount: 0		Total Project Cost: 1,325,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2033

Number:	4401ST	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The program involves the engineering and construction services for the reconstruction of the above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>Related projects include 4401RD/SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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Budget Year	Total Expense	Total Revenue	Difference																		
2029	125,000	125,000	0																		
2031	2,450,000	2,450,000	0																		
	2,575,000	2,575,000	0																		
LTD Amount: 0		Total Project Cost: 2,575,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2033

Number:	4401WS	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The program involves the engineering and construction services for the reconstruction of the above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an environmental assessment (EA), preliminary and detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>Related projects include 4401RD/ST/SS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
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2029	105,000	105,000	0																		
2031	2,020,000	2,020,000	0																		
	2,125,000	2,125,000	0																		
LTD Amount: 0		Total Project Cost: 2,125,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2029	75 Years	Adam Lacombe	Dec 31, 2033

Number:	4402SS	Scenario:	Main
Title:	Chippewa Trunk Sewer Major Rehabilitation & Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for the upgrading, rehabilitation, and/or reconstruction of the Chippewa Trunk Sewer. Engineering services will include preliminary and detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p> <p>A detailed condition assessment will be included to identify the needs, as well as an analysis to determine if there are any potential capacity deficiencies that may require up-sizing. The final works will include a combination of rehabilitation and replacement.</p>	<p>The trunk sewer was originally constructed in the 1970s and will be due for major maintenance and rehabilitation work. The Chippewa Trunk Sewer is the main trunk sewer and one of the most critical components of the City's sanitary sewer system.</p> <p>A number of other trunk sewers flow in the Chippewa system, including the Canadore, Oak Street, Oak Street relief, and Sage trunk sewer. Failure of the Chippewa Trunk Sewer could impact a significant portion of the network. The works will likely be undertaken in multiple phases.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																				
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2032</td> <td>250,000</td> <td>250,000</td> <td>0</td> </tr> <tr> <td>2033</td> <td>3,920,000</td> <td>3,920,000</td> <td>0</td> </tr> <tr> <td></td> <td>4,170,000</td> <td>4,170,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 4,170,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2032	250,000	250,000	0	2033	3,920,000	3,920,000	0		4,170,000	4,170,000	0	LTD Amount: 0		Total Project Cost: 4,170,000		
Budget Year	Total Expense	Total Revenue	Difference																		
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2033	3,920,000	3,920,000	0																		
	4,170,000	4,170,000	0																		
LTD Amount: 0		Total Project Cost: 4,170,000																			

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2015	Jan 1, 2032	25 Years	Adam Lacombe	Jan 31, 2034

Number:	4498PD	Scenario:	Main
Title:	North Bay Police Service Electrical & Generator Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Service Partners	Project Type:	POLICE
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the upgrade of the Police Service facility's electrical and the replacement of the Services generator.	<p>The current electrical in the Police Service Headquarters has reached end of life and based on it's current capacity and structure it is unable to support the current electrical needs of the Service. In 2023, the Service engaged an electrical engineer to complete an assessment on the building's electrical loads and to provide recommendations on what would need to be completed to continue to operate in our current facility until a new facility can be built and occupied.</p> <p>This assessment also reviewed our current backup generator, which is also at end of life and needs to be replaced.</p> <p>The electrical upgrade that is required is anticipated to be a two year project with the generator being replaced in year two.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2023	Jan 1, 2024	TBD	Scott Taggart	Dec 31, 2025

Number:	4499PD	Scenario:	Main
Title:	North Bay Police Service Headquarters Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Service Partners	Project Type:	POLICE
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the Police Headquarters as determined by the 2017 Condition Assessment identifying that the current building does not properly support police operations.	<p>Since 2017, the Police Service has been advocating for the replacement of our current facility based on the 2017 Facility Condition Assessment completed that determined that our current facility is not suitable to meet the Services on-going needs based on three (3) key Factors:</p> <ol style="list-style-type: none"> 1. The building is too small 2. The building's layout fails to meet best practices 3. The cost to rectify faults, address structural issues and upgrade building would be high and would cause considerable disruption in service. <p>Without expanding the building renovations only go a small way to improve working conditions. In 2024, the Service is proposing to update the Facility Assessment completed in 2017, to complete an organizational assessment and to complete a space needs assessment. These studies will support next steps for the replacement and expansion of the North Bay Police Service Headquarters facility.</p>

Scenario Description	Scenario Comments
	<p>The International Association of Chiefs of Police (ICAP) has published "Police Facilities Planning Guidelines" that outline the processes to follow when a Police Service needs a new or renovated facility. The steps included in the document support the projected budget for 2025-2032:</p> <p>2026 - engage Community and Stakeholders, tour other police facility and develop project budget</p> <p>2027 - secure and purchase site, including legal and geotechnical testing</p> <p>2028 - hire architect and begin design of facility</p> <p>2030 - tender and site preparation</p> <p>2021-2032 - construction, furnishing and equipment</p> <p>2033 - occupancy</p>

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2017	Jan 1, 2024		Scott Tod	Dec 31, 2033

Number:	4500RD	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project provides for the engineering and construction services for the installation of a new 400mm trunk watermain along Franklin Street and John Street.</p> <p>Engineering services will include survey, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/SS/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources.</p> <p>Related projects include 4500ST/SS/WS and 3700RD/ST/SS/WS.</p>

Scenario Description	Scenario Comments

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Budget Year	Total Expense	Total Revenue	Difference														
2033	370,000	370,000	0														
	370,000	370,000	0														
LTD Amount: 0		Total Project Cost: 370,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2033	25 Years	Adam Lacombe	Dec 31, 2036

Number:	4500SS	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project provides for the engineering and construction services for the installation of a new 400mm trunk watermain along Franklin Street and John Street.</p> <p>Engineering services will include survey, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/SS/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources.</p> <p>Related projects include 4500RD/ST/WS and 3700RD/ST/SS/WS.</p>

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2033	225,000	225,000	0														
	225,000	225,000	0														
LTD Amount: 0		Total Project Cost: 225,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2021	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4500ST	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project provides for the engineering and construction services for the installation of a new 400mm trunk watermain along Franklin Street and John Street.</p> <p>Engineering services will include survey, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/SS/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources.</p> <p>Related projects include 4500RD/SS/WS and 3700RD/ST/SS/WS.</p>

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2033	160,000	160,000	0														
	160,000	160,000	0														
LTD Amount: 0		Total Project Cost: 160,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4500WS	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project provides for the engineering and construction services for the installation of a new 400mm trunk watermain along Franklin Street and John Street.</p> <p>Engineering services will include survey, design, agency approvals, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p>	<p>The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/SS/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources.</p> <p>Related projects include 4500RD/ST/SS and 3700RD/ST/SS/WS.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2033	75 Years	Adam Lacombe	Dec 31, 2036

Number:	4502TR	Scenario:	Main
Title:	Transit Bus Shelter Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the acquisition of new bus shelters at transfer points, the Terminal, and lower residence. This project also includes new accessible concrete pads.	This project allows for the replacement of two large bus shelters, the replacement of 4 shelters with a larger shelter at transfer points and the addition of 4 concrete pads at existing bus stops. Budget includes funding through the Investing in Canada Infrastructure Program.

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2028

Number:	4503TR	Scenario:	Main
Title:	Transit Terminal Upgrades: Lighting and Roof	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for Transit Terminal upgrades including exterior and interior LED lighting, posts and roof rehabilitation.	The project will update the existing interior, exterior, and terminal post lighting to incorporate LED lighting efficiencies and extend useful life. The project will also be used to rehabilitate the transit terminal roof to extend the useful life of the asset. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2027

Number:	4504TR	Scenario:	Main
Title:	Transit Bus Feature Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for an upgrade to Transit Bus features such as driver barriers and AVL screens.		Provide upgraded AVL screens for customer information on conventional bus fleet. This will improve the quality of information provided to transit customers on the vehicle. Provide driver safety improvements with the installation of driver barriers. The project will improve the quality of transit service by electronically providing more information and more details to riding customers. Driver barriers will provide safety improvements for transit drivers. Budget includes funding through the Investing in Canada Infrastructure Program.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2025	13,073	13,073	0
2026	204,797	204,797	0
	217,870	217,870	0
LTD Amount: 0		Total Project Cost: 217,870	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2024	Jan 1, 2025	TBD	Drew Poeta
			Completion Date
			Dec 31, 2026

Number:	4505TR	Scenario:	Main
Title:	Transit Bus Barn Lighting	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an upgrade to the Bus Barn lighting.	The project will replace existing lights in the Bus Barn Facility with appropriate energy efficient LED lights. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2031</td> <td>23,000</td> <td>23,000</td> <td>0</td> </tr> <tr> <td></td> <td>23,000</td> <td>23,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 23,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2031	23,000	23,000	0		23,000	23,000	0	LTD Amount: 0		Total Project Cost: 23,000		
Budget Year	Total Expense	Total Revenue	Difference														
2031	23,000	23,000	0														
	23,000	23,000	0														
LTD Amount: 0		Total Project Cost: 23,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2031	TBD	Drew Poeta	Dec 31, 2031

Number:	4506TR	Scenario:	Main
Title:	Transit Terminal Facility Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for new display screens, people counter, BAS system, boilers, and fencing at the Bus Terminal.	Transit terminal facility upgrades include energy efficiency upgrades to the transit terminal building Automated System (BAS) and the transit terminal boilers, supply pumps and circulating pump system, security enhancements to improve safety and security by replacing fencing, improved quality of existing public transit by providing outdoor passengers with a video screen showing live arrival times and data collection tools to add passenger counters at the main transit terminal. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																			
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2024</td> <td>7,113</td> <td>7,113</td> <td>0</td> </tr> <tr> <td>2025</td> <td>128,029</td> <td>128,029</td> <td>0</td> </tr> <tr> <td>2026</td> <td>220,494</td> <td>220,494</td> <td>0</td> </tr> <tr> <td></td> <td>355,636</td> <td>355,636</td> <td>0</td> </tr> <tr> <td>LTD Amount: 0</td> <td colspan="2">Total Project Cost: 355,636</td> <td></td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	7,113	7,113	0	2025	128,029	128,029	0	2026	220,494	220,494	0		355,636	355,636	0	LTD Amount: 0	Total Project Cost: 355,636			<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>7,113</td> </tr> <tr> <td></td> <td>Total Expense:</td> <td>7,113</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>1,897</td> </tr> <tr> <td>0543</td> <td>INVESTING IN CANADA (ICIP) - PROVINCIAL</td> <td>2,371</td> </tr> <tr> <td>0643</td> <td>INVESTING IN CANADA (ICIP) - FEDERAL</td> <td>2,845</td> </tr> <tr> <td></td> <td>Total Revenue:</td> <td>7,113</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	7,113		Total Expense:	7,113	Revenue			0461	TSF FRM REV FUND-PAYGO	1,897	0543	INVESTING IN CANADA (ICIP) - PROVINCIAL	2,371	0643	INVESTING IN CANADA (ICIP) - FEDERAL	2,845		Total Revenue:	7,113
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2026

Number:	4507TR	Scenario:	Main
Title:	Transit Bus Wash Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the bus wash.	Refurbishment of Transit Bus Wash facility including: building envelope repairs, bus washing and vacuum system components refurbishment, exterior bay doors and frame rehabilitation and lighting restoration and enhancements. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>2030</td> <td>540,000</td> <td>540,000</td> <td>0</td> </tr> <tr> <td></td> <td>540,000</td> <td>540,000</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 540,000</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2030	540,000	540,000	0		540,000	540,000	0	LTD Amount: 0		Total Project Cost: 540,000		
Budget Year	Total Expense	Total Revenue	Difference														
2030	540,000	540,000	0														
	540,000	540,000	0														
LTD Amount: 0		Total Project Cost: 540,000															

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2030	TBD	Drew Poeta	Dec 31, 2030

Number:	4508TR	Scenario:	Main
Title:	Transit Hoist	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the purchase of hoists for transit.	The project provides for the replacement of 5 sets of hoists used by the Fleet Department for transit buses. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																											
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2031

Number:	4509TR	Scenario:	Main
Title:	Transit Sidewalk Tractor	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the purchase of sidewalk tractors for Transit.	Purchase of two sidewalk tractors to maintain new sidewalks along transit routes. Budget includes funding through the Investing in Canada Infrastructure Program.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																															
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Budget Year	Total Expense	Total Revenue	Difference																																													
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2025

Number:	4510RF	Scenario:	Main
Title:	Community and Recreation Centre	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for the design and construction of a new multi-purpose community centre that includes a double ice pad facility, walking track, and multi-use community room.	<p>A Market Sounding was conducted in 2023 for the design and construction of a new Community and Recreation Centre to solicit feedback and gather information, knowledge and perspectives from interest parties to assist the City to determine the optimum project procurement method, inform the design and construction schedule for project delivery, and confirm with the market if the City's target budget for the project is sufficient for the expected functional program and spatial design of the project. Details regarding the results of the market sounding are summarized in Report to Council IO-2023-017 dated December 18, 2023.</p> <p>Following completion of the Market Sounding, Council authorized staff to develop and issue a Progressive Design Build Request for Proposal ("PDBRFP") for substantial construction completion in 2025 and with a target budget of \$60 million. The PDBRFP was issued in February 2024. As a Progressive Design Build project, the financing plan will be finalized once the final design is substantially completed and a construction contract is negotiated. At the time that the construction contract is negotiated, the City will have better clarity of the total costs of the project to finalize the required financing. A Report to Council will be brought forward for the purpose of awarding the construction contract for the project which will include an updated financing plan.</p> <p>A new capital project has been created in the capital budget to report expenses incurred with respect to the Progressive Design Build project. Unexpended budget authority from the previous capital project, 3711RF, will be transferred to the new project through the 2023 year-end capital variance report.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	21,073,780	21,073,780	0			
2025	32,408,492	32,408,492	0	3425	CONSTRUCTION CONTRACT	21,073,780
	53,482,272	53,482,272	0		Total Expense:	21,073,780
LTD Amount: 0		Total Project Cost: 53,482,272				
				Revenue		
				0470	TSF FROM RESERVE FUND	1,067,000
				0608	CANADA COMMUNITY - BUILDING FUND (FEDERAL GAS TAX)	3,460,396
				0699	MISC FEDERAL GRANTS	16,546,384
					Total Revenue:	21,073,780

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Oct 1, 2023	60 Years	David Jackowski	Dec 31, 2025

Number:	6483AA	Scenario:	Main
Title:	Cassellholme Redevelopment	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Service Partners	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides support for the redevelopment of Cassellholme East Nipissing District Home for the Aged and the proposal for the Board of Management to borrow the funds necessary to complete the project.	Cassellholme will be financing the redevelopment using a combination of capital subsidy payments by the Ministry of Health and Long-Term Care and annual levy to the participating municipalities. This project represents the City of North Bay's estimated share of the redevelopment and is subject to change based on the start date, Ministry's approvals, and final financing agreements.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Budget Year	Total Expense	Total Revenue	Difference																																																																							
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0461	TSF FRM REV FUND-PAYGO	2,000,000																																																																								
Total Revenue:		2,000,000																																																																								

Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2019	Jan 1, 2021	N/A	Margaret Karpenko	Dec 31, 2056

Number:	6762RF	Scenario:	Main
Title:	Aquatic Centre Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for the rehabilitation and enhancements of North Bay's Aquatic Centre as per the Lifecycle Plan.	In 2024, this on-going program includes the replacement of the pool deck tiles.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 to 30 Years	Kevin Vescio	Dec 31, 2024

Number:	6763RD	Scenario:	Main
Title:	Asphalt Resurfacing 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering and construction services for the annual resurfacing program.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, construction inspection, contract administration, and project management.</p> <p>The project is an on-going annual program to maintain and/or restore the riding surface of the urban city streets. The project utilizes a variety of techniques for maintenance of the roadway and protection of the asset. Works may involve asphalt grinding, pulverization, recycling, crack sealing, base stabilization, drainage improvements, curb restoration and boulevard restoration in addition to cold-in-place or hot-mix asphalt paving.</p>	<p>The maintenance of the road surface is of primary importance to the community. The annual program extends the life of our roads, reduces annual maintenance costs, and provides a continued level of service.</p> <p>In accordance with the City's Asset Management Plan, the condition of the City's roads will be monitored and analyzed on an on-going basis to determine and confirm prioritization with respect to the needs of the overall road and infrastructure network, and which works represent the best value. To assist with the prioritization, the City's Pavement Management Software and the results of the Pavement Quality Inspection performed in 2021 will be utilized.</p> <p>The project is partially funded using the Canada Community - Building Fund (Formerly the Federal Gas Tax Fund).</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	3,600,000	3,600,000	0			
2025	3,600,000	3,600,000	0	3425	CONSTRUCTION CONTRACT	3,600,000
2026	3,600,000	3,600,000	0			
2027	3,600,000	3,600,000	0			
2028	3,600,000	3,600,000	0	0461	TSF FRM REV FUND-PAYGO	288,601
2029	3,600,000	3,600,000	0	0608	CANADA COMMUNITY - BUILDING FUND (FEDERAL GAS TAX)	3,311,399
2030	3,600,000	3,600,000	0			
2031	3,800,000	3,800,000	0			
2032	3,800,000	3,800,000	0			
2033	3,800,000	3,800,000	0			
	36,600,000	36,600,000	0			
LTD Amount: 0		Total Project Cost: 36,600,000				

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 Years	Reid Porter	Dec 31, 2024

Number:	6764RD	Scenario:	Main
Title:	Asphalt Sheeting 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program designed to address localized serious deficiencies in asphalt paving that arise suddenly and pose serious risk to drivers and can lead to more serious issues.	The sudden onsets of these deficiencies are not identified in the resurfacing budget but do warrant immediate repair to limit liability and prevent further damage.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6766RD	Scenario:	Main
Title:	Bridge Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This program provides for bridge related rehabilitation repairs for minor deficiencies in the City's bridges, pedestrian bridges, and major culverts to capture additional life expectancy and maintain service to the public. There are currently more than 100 structures being maintained through this funding.	These works are considered a critical priority in order to provide safety to the public which can include the rehabilitation of certain components of the bridge or its surroundings to extend its service life; such as, concrete patch repairs, guide rail repairs, asphalt, and sidewalk repairs, etc. This project also involves the annual bridge inspection program. Municipalities are regulated to inspect every bridge structure once every two years. The City contracts out these services to an engineering firm that will do the inspections and provide a report of the findings and recommendations for work, as well as identifying any critical issues warranting immediate attention.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	15 Years	Reid Porter	Dec 31, 2024

Number:	6767OC	Scenario:	Main
Title:	Capitol Centre 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Service Partners	Project Type:	OTHER CULTURAL
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program of repairs and maintenance to the Capitol Centre.	The 2024 program includes computer workstation replacement, dressing room accessibility upgrades, fire treat and replace stage soft goods, and building repairs and maintenance.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2024 to 2032: 2024 to 2032 Structural, mechanical and electrical work

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Margaret Karpenko	Dec 31, 2024

Number:	6768PR	Scenario:	Main
Title:	Central City Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the following park locations: the Civic Plaza, City Hall, Waterfront Park, Ferguson Block parkette, Algonquin Streetscape, Memorial Park, Algonquin Regiment Cenotaph, Main Street flowerbeds and planters.	In 2024, this ongoing program will be used to replace the deteriorating sections of the interlocking brick on Oak Street.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6769GG	Scenario:	Main
Title:	City Hall Building Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for on-going maintenance, repairs and improvements to City Hall; including but not limited to, window maintenance and repairs, flooring replacement, roof safety guards and ladder system installation identified as a safety concern, and washroom upgrades. Changing priorities could impact the schedule. This does not include upgrades for accessibility purposes.	In 2024, this on-going program includes for investigations and repairs to the plumbing system including domestic cold water, domestic hot water, and drain systems.

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	David Jackowski	Dec 31, 2024

Number:	6770PR	Scenario:	Main
Title:	City Hall Grounds Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the City Hall grounds. The program includes retaining walls, hard surfaces (sidewalks, stairs, parking lots), landscaping (turf, trees, shrubs, irrigation), furnishings (benches, picnic tables, waste receptacles, and bike racks) and lighting.	In 2024, this on-going program includes hard surface rehabilitation, landscaping, furnishing and general rehabilitation of City Hall grounds.

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	David Jackowski	Dec 31, 2024

Number:	6771RD	Scenario:	Main
Title:	City Share of Development Costs 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides a funding source to enable the City to respond to development requests. The City contributes towards items such as infrastructure upsizing and extensions, as well as off-site road network improvements.</p>	<p>These works are considered a priority and are vital to the City's support of development and growth, as well as North Bay's assigned housing target.</p> <p>The budgeted amounts represent an allowance for unknown and unforeseen costs for roadway and underground infrastructure works related to new development, and typically are for incremental costs for upsizing infrastructure. This could include a requirement by the City for a new subdivision road to be a Collector standard, or a sewer to be upsized to a trunk sewer diameter. Current practice is that the developer would only be responsible to cover the costs to meet the minimum standard and the City would cover the additional cost to upgrade to a higher standard.</p> <p>These projects generally provide for future growth.</p> <p>Related projects include 6771ST/SS/WS</p>

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Adam Lacombe	Dec 31, 2024

Number:	6771SS	Scenario:	City Share of Development Costs 2024 On-going
Title:	City Share of Development Costs 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides a funding source to enable the City to respond to development requests. The City contributes towards items such as infrastructure upsizing and extensions, as well as off-site road network improvements.	<p>These works are considered a priority and are vital to the City's support of development and growth, as well as North Bay's assigned housing target.</p> <p>The budgeted amounts represent an allowance for unknown and unforeseen costs for roadway and underground infrastructure works related to new development, and typically are for incremental costs for upsizing infrastructure. This could include a requirement by the City for a new subdivision road to be a Collector standard, or a sewer to be upsized to a trunk sewer diameter. Current practice is that the developer would only be responsible to cover the costs to meet the minimum standard and the City would cover the additional cost to upgrade to a higher standard.</p> <p>These projects generally provide for future growth.</p> <p>Related projects include 6771RD/ST/WS</p>

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2024	Jan 1, 2024			Dec 31, 2024

Number:	6771ST	Scenario:	Main
Title:	City Share of Development Costs 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides a funding source to enable the City to respond to development requests. The City contributes towards items such as infrastructure upsizing and extensions, as well as off-site road network improvements.</p>	<p>These works are considered a priority and are vital to the City's support of development and growth, as well as North Bay's assigned housing target.</p> <p>The budgeted amounts represent an allowance for unknown and unforeseen costs for roadway and underground infrastructure works related to new development, and typically are for incremental costs for upsizing infrastructure. This could include a requirement by the City for a new subdivision road to be a Collector standard, or a sewer to be upsized to a trunk sewer diameter. Current practice is that the developer would only be responsible to cover the costs to meet the minimum standard and the City would cover the additional cost to upgrade to a higher standard.</p> <p>These projects generally provide for future growth.</p> <p>Related projects include 6771RD/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Adam Lacombe	Dec 31, 2024

Number:	6771WS	Scenario:	Main
Title:	City Share of Development Costs 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides a funding source to enable the City to respond to development requests. The City contributes towards items such as infrastructure upsizing and extensions, as well as off-site road network improvements.	<p>These works are considered a priority and are vital to the City's support of development and growth, as well as North Bay's assigned housing target.</p> <p>The budgeted amounts represent an allowance for unknown and unforeseen costs for roadway and underground infrastructure works related to new development, and typically are for incremental costs for upsizing infrastructure. This could include a requirement by the City for a new subdivision road to be a Collector standard, or a sewer to be upsized to a trunk sewer diameter. Current practice is that the developer would only be responsible to cover the costs to meet the minimum standard and the City would cover the additional cost to upgrade to a higher standard.</p> <p>These projects generally provide for future growth.</p> <p>Related projects include 6771RD/ST/SS</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Adam Lacombe	Dec 31, 2024

Number:	6773RD	Scenario:	Main
Title:	Design Work Next Year's Projects 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for preliminary and detailed design engineering work required to enable design and construction of projects planned for the following year.	These works could include pre-engineering activities such as geotechnical investigations and surveying or can include designs for small projects. The 2024 program will provide for the pre-engineering for the 2025 Asphalt Resurfacing Program. Related projects include 6773ST/SS/WS

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																					
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6773SS	Scenario:	Main
Title:	Design Work Next Year's Projects 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for preliminary and detailed design engineering work required to enable design and construction of projects planned for the following year.	These works could include pre-engineering activities such as geotechnical investigations and surveying or can include designs for small projects. Related projects include 6773RD/ST/WS

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6773ST	Scenario:	Main
Title:	Design Work Next Year's Projects 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6773WS	Scenario:	Main
Title:	Design Work Next Year's Projects 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for preliminary and detailed design engineering work required to enable design and construction of projects planned for the following year.	These works could include pre-engineering activities such as geotechnical investigations and surveying or can include designs for small projects. Related projects include 6773RD/ST/SS

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6774SS	Scenario:	Main
Title:	Digester and Grit Removal 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for the necessary periodic scheduled maintenance on the digesters and primary clarifiers at the Wastewater Treatment Plant to ensure this equipment is operating in the most optimal fashion.	There are 4 digesters at the Wastewater Treatment Plant. This project provides to clean one digester every 3 years. As per best operating practices, this allows for each tank to be drained and cleaned, approximately, every 10 years.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																													
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Karin Pratte	Dec 31, 2024

Number:	6775ST	Scenario:	Main
Title:	Ditch Enclosure 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
The project will eliminate open ditches in problem areas. Ditch lines would be replaced by a storm sewer system to convey storm water and run-off.	The 2024 program will include elimination of ditches on Parkwood Dr. which will support the installation of sidewalks. Related projects include 6802RD.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 to 50 Years	Domenic Schiavone	Dec 31, 2024

Number:	6776RD	Scenario:	Main
Title:	Downtown Roads Maintenance 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program of downtown roads maintenance and upgrades.	The 2024 program will include the continuing upgrades to roads, line painting, traffic signals, and sidewalks in the downtown core.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6778RD	Scenario:	Main
Title:	Engineering Data and Equipment 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the collection and processing of engineering related data and the purchase and replacement of equipment in support of the data collection.	<p>Engineering data can include such things as traffic data and sewer flow monitoring data.</p> <p>Traffic counting equipment was purchased to eliminate the need to have staff on site for a full day to undertake an intersection traffic count. This frees up staff resources for other tasks. The traffic data is collected using a special video camera and the data file is processed by the equipment supplier using automated software at a lower cost than the cost of staff to do the same work.</p> <p>Sewer flow monitoring supports design for sanitary pumping station upgrades and replacements. It also supports a flow monitoring program to identify areas and sources of infiltration and inflow (sump pumps) to focus in on the most critical areas. A reduction in infiltration/inflow will reduce the demands on the Wastewater Treatment Plant.</p> <p>In 2024, the program will provide for the processing of traffic count data.</p> <p>Related projects include 6778SS.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

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Number:	6778SS	Scenario:	Main
Title:	Engineering Data and Equipment 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the collection and processing of engineering related data and the purchase and replacement of equipment in support of the data collection.	<p>Engineering data can include such things as traffic data and sewer flow monitoring data.</p> <p>Traffic counting equipment was purchased to eliminate the need to have staff on site for a full day to undertake an intersection traffic count. This frees up staff resources for other tasks. The traffic data is collected using a special video camera and the data file is processed by the equipment supplier using automated software at a lower cost than the cost of staff to do the same work.</p> <p>Sewer flow monitoring supports design for sanitary pumping station upgrades and replacements. It also supports a flow monitoring program to identify areas and sources of infiltration and inflow (sump pumps) to focus in on the most critical areas. A reduction in infiltration/inflow will reduce the demands on the Wastewater Treatment Plant.</p> <p>In 2024, the program will provide for the collection of sewer flow monitoring data.</p> <p>Related projects include 6778RD.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	15,000	15,000	0	Expense		
2025	16,000	16,000	0	3199	MISC PROFESSIONAL FEES	15,000
2026	16,000	16,000	0			Total Expense: 15,000
2027	17,000	17,000	0	Revenue		
2028	17,000	17,000	0	0461	TSF FRM REV FUND-PAYGO	15,000
2029	18,000	18,000	0			Total Revenue: 15,000
2030	18,000	18,000	0			
2031	19,000	19,000	0			
2032	20,000	20,000	0			
2033	20,000	20,000	0			
	176,000	176,000	0			
LTD Amount: 0		Total Project Cost: 176,000				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Adam Lacombe	Dec 31, 2024

Number:	6779RD	Scenario:	Main
Title:	Equipment Replacement 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the purchase of tools and equipment required for the roads department.	In 2024, these funds will be used to replace items such as arrowboards, concrete saws, chain saws, etc. These purchases will not form part of the fleet and equipment replacement program. Related projects include 6779WS.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6779WS	Scenario:	Main
Title:	Equipment Replacement 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the purchase of tools and equipment required for the water and wastewater department.	In 2024, these funds will be used to replace items such as pumps, concrete saws, chain saws, etc. These purchases will not form part of the fleet and equipment replacement program. Related projects include 6779RD.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6780FD	Scenario:	Main
Title:	Fire Bunker Gear Replacement Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Community Services	Project Type:	FIRE DEPARTMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds to replace bunker gear (firefighting ensemble) for the firefighters. In order to meet the requirements under the Occupational Health and Safety Act, bunker gear is required to be replaced every 10 years as stipulated in NFPA Standard 1851.	The program is based on the anticipated costs for required bunker gear replacements. The bunker gear replacement program is also part of the larger cancer reduction initiative.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 Years	Jason Whiteley	Dec 31, 2024

Number:	6781FD	Scenario:	Main
Title:	Fire Equipment Replacement 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Community Services	Project Type:	FIRE DEPARTMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of the Fire Department's aging equipment as well as the purchase of equipment to outfit new fleet purchases.	Funding is for the replacement of aging equipment and analysis of needed equipment for enhanced and efficient service delivery. Equipment recommendations are researched by the North Bay Fire and Emergency Services equipment committee. In 2024, this program will provide for the purchase of equipment to outfit a new tanker as well as the maintenance or replacement of the following pieces of equipment: hose, ice water rescue equipment (dry suits, helmets, PFDs), nozzles, extrication equipment, power saws, ventilation fans, self-contained breathing apparatuses, safety equipment (helmets, gloves, etc.), and tools, as needed.

Scenario Description	Scenario Comments
	The Capital Forecasts from 2025 to 2033 will be used to address major equipment costs associated with ongoing operations. The funds will be used to repair/ replace equipment necessary for North Bay Fire and Emergency Services to enhance the ability to deliver an effective response to emergency incidents.

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	5 to 25 Years	Jason Whiteley	Dec 31, 2024

Number:	6782FD	Scenario:	Main
Title:	Fire Facilities Management Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	FIRE DEPARTMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds for the maintenance and repairs on the four fire stations in the City.	The program includes interior rehabilitation of fire stations and energy efficiency upgrades; which will include, overhead and main door replacement, energy efficient upgrades (lighting), replacement of windows and emergency capital repairs.

Scenario Description	Scenario Comments
	The Capital Forecasts from 2025 to 2033 will be used to address major capital costs associated with aging infrastructure. The funds will also be used to repair/ replace major building items as well as improve the station's energy efficiencies. Plans for building repairs or energy efficiency upgrades are developed a year in advance of the budget based on information derived from station maintenance reports.

Forecast	Project Detailed 2024																																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 to 20 Years	Jason Whiteley	Dec 31, 2024

Number:	6783WS	Scenario:	Main
Title:	Flush Watermains 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the on-going annual directional and dead-end flushing of the City's watermains. The project is essential in order to extend the watermains' lifecycle and it allows the City to remain compliant with the Ministry of Environment Regulations. Funds are also used for infrastructure upgrades and when system deficiencies are noted.	The on-going program is designed to clean existing watermains thereby extending the lifecycle and identifying problem infrastructure that can then be repaired in non-emergency situations. The program is recommended as a best practice by the Ministry of Environment and Climate Change.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 to 20 Years	Domenic Schiavone	Dec 31, 2024

Number:	6785RD	Scenario:	Main
Title:	Infrastructure Modelling 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the engineering services for preparation and maintenance of a traffic model for the City's transportation network.	<p>Traffic models can be used to analyze the capacity of the existing road network system, analyze the impacts and feasibility of expanding the system, or help identify improvements and potential efficiencies.</p> <p>The model will assist with development review in identifying system capacities and issues for new development and redevelopment, and the need for road and intersection upgrades as a result of new development.</p> <p>Once established, the model will need to be maintained on a regular basis for changes in the system.</p> <p>This funding will be used for the maintenance of the traffic model.</p> <p>Related projects include 6785ST/SS/WS</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																												
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6785SS	Scenario:	Main
Title:	Infrastructure Modelling 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Master Plans
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering services for preparation and maintenance of a model for the City's underground infrastructure (sewers and water mains).</p> <p>Infrastructure models can be used to analyze the capacity of the existing systems, analyze the impacts and feasibility of expanding the system, or help identify improvements and potential efficiencies.</p> <p>The models will assist with development review in identifying system capacities and issues for new development and redevelopment.</p>	<p>The City has a base water distribution model that was established in the early 2000's. The model has been utilized numerous times for planning and analyzing changes to the distribution system.</p> <p>For the storm system, the model will also help with the identification of overland flow routes from major storms (i.e., when the sewer systems is full and stormwater flows over the surface). The model will also help with the preparation of Infill Development/Subwatershed Rehabilitation Plans, which may be necessary in some existing developed areas of the City to assist with planning of stormwater management on a regional basis rather than a site-by-site basis.</p> <p>Once established, all of the models will need to be maintained on a regular basis for changes in the systems.</p> <p>This funding will be used for the maintenance of the infrastructure model.</p> <p>Related projects include 4316ST, 4334ST, 6785ST/WS.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6785ST	Scenario:	Main
Title:	Infrastructure Modelling 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Master Plans
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering services for preparation and maintenance of a model for the City's underground infrastructure (sewers and water mains).</p> <p>Infrastructure models can be used to analyze the capacity of the existing systems, analyze the impacts and feasibility of expanding the system, or help identify improvements and potential efficiencies.</p> <p>The models will assist with development review in identifying system capacities and issues for new development and redevelopment.</p>	<p>The City has a base water distribution model that was established in the early 2000's. The model has been utilized numerous times for planning and analyzing changes to the distribution system.</p> <p>For the storm system, the model will also help with the identification of overland flow routes from major storms (i.e., when the sewer systems is full and stormwater flows over the surface). The model will also help with the preparation of Infill Development/Subwatershed Rehabilitation Plans, which may be necessary in some existing developed areas of the City to assist with planning of stormwater management on a regional basis rather than a site-by-site basis.</p> <p>Once established, all of the models will need to be maintained on a regular basis for changes in the systems.</p> <p>This funding will be used for the maintenance of the infrastructure model.</p> <p>Related projects include 4316ST, 4334ST, 6785SS/WS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																												
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6785WS	Scenario:	Main
Title:	Infrastructure Modelling 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Master Plans
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the engineering services for preparation and maintenance of a model for the City's underground infrastructure (sewers and water mains).</p> <p>Infrastructure models can be used to analyze the capacity of the existing systems, analyze the impacts and feasibility of expanding the system, or help identify improvements and potential efficiencies.</p> <p>The models will assist with development review in identifying system capacities and issues for new development and redevelopment.</p>	<p>The City has a base water distribution model that was established in the early 2000's. The model has been utilized numerous times for planning and analyzing changes to the distribution system.</p> <p>For the storm system, the model will also help with the identification of overland flow routes from major storms (i.e., when the sewer systems is full and stormwater flows over the surface). The model will also help with the preparation of Infill Development/Subwatershed Rehabilitation Plans, which may be necessary in some existing developed areas of the City to assist with planning of stormwater management on a regional basis rather than a site-by-site basis.</p> <p>Once established, all of the models will need to be maintained on a regular basis for changes in the systems.</p> <p>This funding will be used for the maintenance of the infrastructure model.</p> <p>Related projects include 4316ST, 4334ST, 6785ST/SS.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	10,000	10,000	0			
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2032	13,000	13,000	0			
2033	14,000	14,000	0	0461	TSF FRM REV FUND-PAYGO	10,000
	119,000	119,000	0			10,000
LTD Amount: 0				Total Project Cost: 119,000		

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Adam Lacombe	Dec 31, 2024

Number:	6786RD	Scenario:	Main
Title:	Interlocking Brick Sidewalk & Retaining Wall Replacement 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of failing interlock brick sidewalks and retaining walls throughout the City.	The City has multiple kilometers of interlock brick sidewalk and retaining walls on various roadways; including, Algonquin Ave., Fisher St., Oak St., Cassells, and McKeown. Much of the brick and retaining wall have experienced pre-mature failure because of road salt. This ongoing project will provide funds to remove and replace the worst areas of brick with traditional concrete sidewalk which is more durable. In 2024, this program will complete the replacements along Oak Street.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																					
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6787MR	Scenario:	Main
Title:	King's Landing and Marina Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Infrastructure & Operations	Project Type:	MARINA
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of King's Landing and the Marina's buildings and appurtenances.	In 2024, the project will include wharf dredging and investigation of the structural sheet piling system for the marina. The project does not include any significant general maintenance of King's Landing beyond 2025 except for emergency repairs pending the reconstruction and redevelopment as described in project 3518PR.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2024 to 2032: 2024 Breakwall // Sheet Piling Investigation 2025 Communal dock // General Rehab 2026 Gas Dock Sheet Piling // Chief Slip Dredge 2027 Fuel Tank Replace // Fuel Dispenser Replace 2028 Launch Ramp Repairs 2029 Marina Dredge // General 2030 Dock Rehab 2031 Chief Slip Dredge // General Repair 2032 Pedestal Renewals 2033 Pedestal Renewals

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Kevin Vescio	Dec 31, 2024

Number:	6789RF	Scenario:	Main
Title:	Memorial Gardens Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for continued rehabilitation and improvement of plant and property for the Memorial Gardens Arena per Industry Best Practices as well as operational and programming requirements.		In 2024, this on-going program includes the replacement of the existing chiller, which is approaching the end of it's useful life, as well as, investigation into the purchase of new ice plant technology at Memorial Gardens.	

Scenario Description		Scenario Comments	

Forecast		Project Detailed 2024	
Budget Year	Total Expense	Total Revenue	Difference
2024	294,000	294,000	0
2025	220,652	220,652	0
2026	245,169	245,169	0
2027	269,686	269,686	0
2028	294,203	294,203	0
2029	294,203	294,203	0
2030	294,203	294,203	0
2031	294,203	294,203	0
2032	294,203	294,203	0
2033	294,203	294,203	0
	2,794,725	2,794,725	0
LTD Amount: 0	Total Project Cost: 2,794,725		
GL Account	Description	Total Amount	
Expense			
3425	CONSTRUCTION CONTRACT		294,000
		Total Expense:	294,000
Revenue			
0461	TSF FRM REV FUND-PAYGO		294,000
		Total Revenue:	294,000

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	20 Years	David Jackowski	Dec 31, 2024

Number:	6790AT	Scenario:	Main
Title:	North Bay Jack Garland Airport 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Service Partners	Project Type:	AIR TRANSPORTATION
Budget Year:	2024	Active:	Yes

Description	Comments
This project is designed to provide for on-going repairs and maintenance at the Jack Garland Airport. The airport prepares a capital plan which indicates the total estimated costs and the amount of funding that is required by the City.	This budget represents the portion of the capital plan that is funded by the City. The 2024 plan includes resurfacing the apron IV, replacing a sander unit and combination unit, and replacing the garage life safety system.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2025 to 2033: 2025 - Runway sweeper// Life safety system & acc. lift in Admin Building// Terminal curbside and Terminal entrance door// Airside tractor and mower 2026 - Replace loader mounted air fan // computers and camera system replacement // light vehicle 2027 - Groundside Loader Case // Foxtrot rehabilitation 2028 - Administration building air handling and air conditioning units // vehicle and equipment replacement // Admin Building curbside/walkways 2029 - Resurface runway // replace runway drainage system // replace wind socks both runways 2030 - Replace Terminal flat roofs // replace excavator and brush head // light vehicle 2031 - Replace runway sweeper // rehabilitate hangar 9 and 10 roofs //replace tar kettle trailer 2032 -Holder tractor // selective Apron II panels // runway/taxiway lighting // Multi-line paint machine 2033 - Lot A Parking rehab // 2 ton truck and sand chemical spreader // fuel pumps and system

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	John Severino	Dec 31, 2024

Number:	6791CA	Scenario:	Main
Title:	North Bay Mattawa Conservation Authority 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Service Partners	Project Type:	CONSERVATION AUTHORITY
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for an on-going program of capital works undertaken by the North Bay Mattawa Conservation Authority (CA).	<p>CA Lands /Trails - Activities in support of public access and use of CA owned properties including such things as trails, boardwalks, bridges, picnic tables, buildings, washrooms, signage, parking lots and roads. This also includes costs for the upkeep of the ski hill fixed assets.</p> <p>Watershed and Erosion Control Infrastructure - Activities to support major maintenance and capital improvements or repair to water and erosion control structures.</p> <p>Central Services - Capital or major maintenance in support of workshops, buildings, large vehicles and other types of structures or equipment required as part of the overall CA program.</p> <p>Integrated Watershed Management - Planning, technical studies and monitoring activities to determine types of hazard or natural heritage lands that the CA is responsible for managing or regulating including floodplain mapping, and watershed planning projects.</p> <p>Section 28 Regulations - Expenses related to the implementation of the Section 28 regulations of the CA.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	518,769	518,769	0			
2025	537,263	537,263	0	6067	CONSERVATION AUTHORITY	518,769
2026	651,159	651,159	0			
2027	674,083	674,083	0			
2028	697,942	697,942	0			
2029	722,776	722,776	0			
2030	748,626	748,626	0			
2031	775,538	775,538	0			
2032	803,557	803,557	0			
2033	832,731	832,731	0	0461	TSF FRM REV FUND-PAYGO	518,769
	6,962,444	6,962,444	0			518,769
LTD Amount: 0				Total Project Cost: 6,962,444		

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	N/A	Margaret Karpenko	Dec 31, 2024

Number:	6792PD	Scenario:	Main
Title:	North Bay Police Services 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Service Partners	Project Type:	POLICE
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program for vehicle replacement and other capital upgrades and replacements for the North Bay Police Services.	The 2024 program includes vehicle replacement, technology upgrades, and police equipment purchases.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2025 to 2033: 2025 - Vehicle replacements and upfitting, CEW replacement program, building repairs, radio system replacement, armoured vehicle, and technology upgrades 2026 - Vehicle replacements and upfitting, CEW replacement program, building repairs, and technology upgrades 2027 - Vehicle replacements and upfitting, CEW replacement program, building repairs, and VX rail and technology upgrades 2028-2033 - Vehicle replacements and upfitting, building repairs and technology upgrades

Forecast	Project Detailed 2024																																																																																		
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2032	1,301,000	1,301,000	0																																																																																
2033	761,000	761,000	0																																																																																
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5010	MACHINERY & EQUIPMENT	97,000																																																																																	
5025	VEHICLES	395,000																																																																																	
5030	COMPUTER H/WARE & S/WARE	200,000																																																																																	
5041	COMMUNICATION EQUIPMENT	200,000																																																																																	
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0461	TSF FRM REV FUND-PAYGO	892,000																																																																																	
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Scott Tod	Dec 31, 2024

Number:	6793LB	Scenario:	Main
Title:	North Bay Public Library 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance, Technology
Division:	Capital - Service Partners	Project Type:	LIBRARY
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program of repairs, maintenance, and other capital needs at the North Bay Public Library.	The 2024 program includes the development of a new library website, expansion of the library security monitoring system hardware/software and rehabilitation of the legacy library exterior brick shell and siding.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2025 to 2033: 2025 to 2026 - Review, replacement and enhancement of infrastructure, general maintenance, and software/ hardware replacements 2027 to 2030 - Review, replacement and enhancement of infrastructure, general maintenance, and software/ hardware replacements, Library new build/ renovation 2031 to 2033 - Review, replacement and enhancement of infrastructure, general maintenance, and software/ hardware replacements

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Ravil Veli	Dec 31, 2024

Number:	6794RF	Scenario:	Main
Title:	Omsichl Sports Complex Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the Omsichl Sports Field Complex to maintain safe playing areas for the public per operational and programming needs.	In 2024, this program includes developing a walking trail from Omsichl Sport Complex to Champlain Park as defined in the Parks Master Plan.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	20 Years	Dave Schroeder	Dec 31, 2024

Number:	6795PK	Scenario:	Main
Title:	Parking Equipment Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the purchase of parking equipment; such as, parking meters, pay and display machines and maintenance equipment to support parking operations.	The City has various parking equipment throughout the City that will need to be replaced. This program is funded every 3 years. The next budget ask is in 2025.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																								
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Budget Year	Total Expense	Total Revenue	Difference																						
2025	122,500	122,500	0																						
2028	122,500	122,500	0																						
2031	122,500	122,500	0																						
	367,500	367,500	0																						
LTD Amount: 0		Total Project Cost: 367,500																							

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2025	5 to 15 Years	Kevin Vescio	Dec 31, 2025

Number:	6796PK	Scenario:	Main
Title:	Parking Lot Maintenance and Improvement Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	PARKING
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for the on-going improvements and maintenance of parking lots and facilities including lighting, asphalt replacement, drainage, etc.	<p>The program includes on-going maintenance of all surface lots and the parking garage.</p> <p>Improvements to surface lots include items such as, the rehabilitation and maintenance of asphalt surfaces, guardrails, lighting and storm water systems. Improvements to the parking garage include items such as, asphalt and waterproofing membrane surface maintenance, concrete structural maintenance, water drainage systems, lighting, stairwell maintenance and painting.</p> <p>In 2024, the program will provide for the repair of guard rails, lighting fixtures, controls, signs, bumpers, fencing, storm water infrastructure, as well as, line painting, crack sealing, surface sealing treatments of several parking lots within the City.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Bruce Robertson	Dec 31, 2024

Number:	6797PR	Scenario:	Main
Title:	Parks and Playground Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation and upgrades to the City's parks and playgrounds to meet current standards and programming requirements and it provides for the management and preservation of the natural environment.	In 2024, this program includes the replacement of Belleview playground and related landscaping, as well as park rehabilitation, tree planting, and other general rehabilitation.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	20 Years	Mark Thomas	Dec 31, 2024

Number:	6798PR	Scenario:	Main
Title:	Parks Building Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the Parks buildings and facilities. It includes consideration for accessibility and energy efficiencies.	In 2024, this project will fund building envelope upgrades for the Shabogesic park building.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6800PR	Scenario:	Main
Title:	Parks Equipment Replacement Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Equipment Replacement
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the Parks equipment replacement that is not included in the Fleet Management system and upgrades of parks amenities.	The program ensures that reliable equipment is available to assist the department's maintenance and programming demands. In 2024, this program provides for the replacement of a fertilizer spreader, replacing gas small equipment with electric and other small equipment replacement as required.

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6801PR	Scenario:	Main
Title:	Parks Master Plan 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the implementation of projects identified in the approved 2021 Parks Master Plan.	<p>In 2024, this project would allow for the identification of locations, concept plans, design, and construction of new vendor spaces within the Downtown Waterfront.</p> <p>The use of shipping containers for small-scale commercial uses could help to commercialize the Downtown Waterfront area in a way that is strategic, targeted, and flexible. This project would allow for the identification of locations, concept plans, design, and construction of new vendor spaces within the Downtown Waterfront. The spaces would then be rented through a formal rental program.</p> <p>As part of this project there would be an expression of interest completed to gauge interest and finalize locations for the new spaces. Commercial activity would likely be limited to small-scale uses such as: food and beverage vendors, small-scale retail, tourist/attraction/information kiosks during events and other related small-scale uses.</p>

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Beverley Hillier	Dec 31, 2024

Number:	6802RD	Scenario:	Main
Title:	Pedestrian Safety Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
The project provides for an on-going capital program for the replacement of deteriorated sidewalks and the addition of new sidewalks and other safety facilities; such as, pedestrian activated signals and count down pedestrian heads.	<p>The project will assist the City to maintain compliance with the Accessibility Act and maintain compliance with the Minimum Maintenance Standards of Ontario.</p> <p>Funds from this project are utilized to complete the annual sidewalk inspection and installation of new sidewalks to enhance pedestrian safety in areas where none previously existed.</p> <p>The 2024 program will include installation of sidewalk on Parkwood Road to enhance public safety around Pinewood School.</p> <p>Related projects include 6775ST.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6803RF	Scenario:	Main
Title:	Pete Palangio Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for continued plant and property improvements for the Pete Palangio Arena as per Industry Accepted Practices and Processes as well as operational and programming requirements.	2024 capital moved to 4346RF to aid in replacement of the HVAC units. 2025 will look at building envelope upgrades and upgrades to the score clocks.

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 31, 2025	TBD	David Jackowski	Dec 31, 2025

Number:	6804RD	Scenario:	Main
Title:	Public Works Building Maintenance 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to address emergency repairs and replacements to the public works facilities.	In 2024, the project will address general repairs required to the public works facilities. Related project includes 6804WS.

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6804WS	Scenario:	Main
Title:	Public Works Building Maintenance 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to address emergency repairs and replacements to the public works facilities.	In 2024, the project will address general repairs required to the public works facilities. Related projects include 6804RD.

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Year Identified	Start Date	Useful Life	Manager	Completion Date
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Number:	6805RF	Scenario:	Main
Title:	Recreation Facilities Rehab and Development 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	RECREATION FACILITY
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of the outdoor sport facilities to maintain safe playing areas for the public and for the development of recreation facilities based on programming needs and future recreation trends.	<p>Council has approved an updated Parks Master Plan on November 16, 2021 as per Community Services Committee Report 2021-16. Recreation facilities development projects will be determined based on the recommendations included in the 2021 Parks Master Plan and the City's Official Plan.</p> <p>This project will provide funding for the replacement of field lighting at the City's 15 lit sports fields. This will include the replacement of the fixtures but could also include replacement of the poles and bases depending on their condition. The lights are at the end of their expected useful lives. Failure to replace these lights could result in no field lighting and lost revenue.</p> <p>The City has received a request from facility users for an enhancement to the pickleball court surface located at Bourke Playground. Materials and installation costs for a new surface are estimated to cost approximately \$100,000. Subject to Council approval, funding provided under this project may be directed towards an enhancement to the pickleball court surface.</p>

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6806RD	Scenario:	Main
Title:	Road Culvert Replace/Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going capital program that is designed to provide for replacement and rehabilitation of culverts located along rural roadways where no other drainage system is in place. It is essential for maintaining and extending the life cycle of our rural roadways. The project also works in conjunction with the rural road rehabilitation program.	The 2024 program will replace the culverts on Chadbourne Dr., Evergreen to Widdifield and Cedar Heights to Collins Drive. The sections of rural road will be reconstructed through the rural road rehabilitation program in 2024. Related projects include 6807RD.

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 to 75 Years	Domenic Schiavone	Dec 31, 2024

Number:	6807RD	Scenario:	Main
Title:	Rural Road Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the on-going reconstruction, repair, and resurfacing of our rural roads. It also involves the crushing of stockpiled waste asphalt for use in the resurfacing process.	The 2024 program will be used for the reconstruction of Chadbourne Drive, Evergreen to Widdifield and Cedar Heights East to Collins Drive. Related projects include 6806RD.

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Domenic Schiavone	Dec 31, 2024

Number:	6808SS	Scenario:	Main
Title:	Sewage Lift Stations 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program for emergency repairs and replacements at the sewage lift stations. Minor improvements to systems are also funded from this project.	The City owns and operates 19 sewage lift stations. Annually it is not uncommon to experience failures in pumps, generators or other critical appurtenances that are not budgeted for with operational dollars. This project is used to cover such emergency failures.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 to 15 Years	Domenic Schiavone	Dec 31, 2024

Number:	6811SS	Scenario:	Main
Title:	Sewer Rehab and Restoration 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for the rehabilitation and restoration of deficiencies in the sanitary sewer system.</p> <p>It will reduce infiltration and excessive loading of ground water into our sanitary sewer system. Work is completed by city staff and equipment.</p>	The 2024 program will be used to complete the sanitary sewer rehabilitation on Bond Street.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	50 to 75 Years	Domenic Schiavone	Dec 31, 2024

Number:	6812RD	Scenario:	Main
Title:	Sidewalk Replacement Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going capital program that performs an annual survey of all the City's sidewalks to identify deficiencies as outlined under the Minimum Maintenance Standards of Ontario. Project funds are also used to conduct sidewalk replacement of sections identified in the annual survey and/or patch smaller sections.	The 2024 program will provide for a third party inspection survey of the City's sidewalks which will identify a list of sidewalks that will require replacement. Sidewalks that will be considered for replacement will be those where a full block was identified as having numerous deficiencies and will require complete replacement.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6813ST	Scenario:	Main
Title:	Storm Sewer Flushing and Outfall Maintenance 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project will allow for cleaning and scraping of large diameter storm sewer systems throughout the City as well as upgrading and maintaining the numerous storm sewer outfalls.	The 2024 program will be utilized to clean and pump out catch basins on storm sewers throughout the City to prevent sediment from accumulating in storm mains.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Domenic Schiavone	Dec 31, 2024

Number:	6814SL	Scenario:	Main
Title:	Street Light Replacement 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	STREET LIGHTS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the replacement of streetlight poles, lights, and hardware.	There are over 5,000 streetlights in the City. This project provides funds to purchase replacement lights and hardware as required.

Scenario Description	Scenario Comments

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2032	14,700	14,700	0																																																																							
2033	14,700	14,700	0																																																																							
	112,700	112,700	0																																																																							
LTD Amount: 0		Total Project Cost: 112,700																																																																								
GL Account	Description	Total Amount																																																																								
Expense																																																																										
5010	MACHINERY & EQUIPMENT	4,900																																																																								
Total Expense:		4,900																																																																								
Revenue																																																																										
0461	TSF FRM REV FUND-PAYGO	4,900																																																																								
Total Revenue:		4,900																																																																								

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	6815GG	Scenario:	Main
Title:	System Technology Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Technology
Division:	Capital - Corporate Services	Project Type:	GENERAL GOVERNMENT
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to provide for the information and communication technology for the Corporation's business units at City Hall and 20 remote site locations. This includes computer hardware and software, mobile technology, telephony hardware and software, network infrastructure and security, Geographic Information Systems and network connectivity.	<p>The project provides for implementation and replacements for the system technology utilization by the City based on cycles and annual requirements.</p> <p>In 2024, the program includes the replacement and upgrade of end-of-life workstations, network systems, data storage and server infrastructure, telephony and remote communications, wireless, and security.</p> <p>Additionally, we're addressing critical needs such as replacing our aging main Data Centre UPS (Uninterruptible Power Supply) and making significant improvements to essential systems like our Disaster Recovery Solution, SunGard/Questica Financial Systems and GIS (Geographic Information Systems). These efforts reflect our commitment to modernizing and optimizing our technological infrastructure to better serve our community and meet the evolving needs of various departments.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	706,500	706,500	0			
2025	542,345	542,345	0	5030	COMPUTER H/WARE & S/WARE	706,500
2026	509,173	509,173	0			
2027	478,498	478,498	0			
2028	412,918	412,918	0			
2029	587,435	587,435	0			
2030	577,051	577,051	0			
2031	599,769	599,769	0			
2032	361,591	361,591	0			
2033	551,519	551,519	0	0461	TSF FRM REV FUND-PAYGO	706,500
	5,326,799	5,326,799	0			706,500
LTD Amount: 0		Total Project Cost: 5,326,799				

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	4 Years	Steven Melnichuk	Dec 31, 2024

Number:	6815WS	Scenario:	Main
Title:	System Technology Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Technology
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to provide for the information and communication technology for the Water and Wastewater department. This includes computer hardware and software, telephony hardware and software, and network infrastructure and connectivity. In addition, other special information services projects, related specifically to water and wastewater activities, are also funded from this project.	This project represents the technology requirements for the water-related activities. This includes the information and communication technology to support the Water Treatment Plant, Wastewater Treatment Plant and the water networks including the System Control and Data Acquisition (SCADA) for the entire system to meet local, provincial and federal regulations. In 2024, this program will be used to better secure the communication infrastructure. This move will allow streamlined, secured access to the systems, allowing easier monitoring and maintenance of our Water and Wastewater infrastructure.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	4 Years	Steven Melnichuk	Dec 31, 2024

Number:	6816SL	Scenario:	Main
Title:	Traffic Control Signal Upgrade 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Technology
Division:	Capital - Infrastructure & Operations	Project Type:	STREET LIGHTS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program of traffic control signals upgrades throughout the City and is used in conjunction to assist the City in maintaining compliance with the Accessibility Act.	In 2024, the program will continue with traffic cabinet replacements, upgrade additional intersections to utilize detection cameras, upgrade signals to audible systems for accessibility standards and install networking software for a central control system.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Domenic Schiavone	Dec 31, 2024

Number:	6817PR	Scenario:	Main
Title:	Trail and Supporting Hard Surfaces Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation of 20+ kilometers of multi-use hard surface trails, parks pathways, nature trails, sidewalks, parking lots, service roads and boat launches.	In 2024 this program includes resurfacing the Kate Pace Way through Lee Park and Memorial Drive with a funding agreement through Trans Canada Trail. Other work includes paved accessible path at Belleview Park with the new playground, accessible parking stalls with guide rails at Shabogesic beach and other parking lot improvements as required.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																												
<table border="1"> <thead> <tr> <th>Budget Year</th> <th>Total Expense</th> <th>Total Revenue</th> <th>Difference</th> </tr> </thead> <tbody> <tr><td>2024</td><td>258,720</td><td>258,720</td><td>0</td></tr> <tr><td>2025</td><td>266,560</td><td>266,560</td><td>0</td></tr> <tr><td>2026</td><td>284,200</td><td>284,200</td><td>0</td></tr> <tr><td>2027</td><td>292,040</td><td>292,040</td><td>0</td></tr> <tr><td>2028</td><td>299,880</td><td>299,880</td><td>0</td></tr> <tr><td>2029</td><td>308,700</td><td>308,700</td><td>0</td></tr> <tr><td>2030</td><td>308,700</td><td>308,700</td><td>0</td></tr> <tr><td>2031</td><td>308,700</td><td>308,700</td><td>0</td></tr> <tr><td>2032</td><td>308,700</td><td>308,700</td><td>0</td></tr> <tr><td>2033</td><td>308,700</td><td>308,700</td><td>0</td></tr> <tr> <td></td> <td>2,944,900</td> <td>2,944,900</td> <td>0</td> </tr> <tr> <td colspan="2">LTD Amount: 0</td> <td colspan="2">Total Project Cost: 2,944,900</td> </tr> </tbody> </table>	Budget Year	Total Expense	Total Revenue	Difference	2024	258,720	258,720	0	2025	266,560	266,560	0	2026	284,200	284,200	0	2027	292,040	292,040	0	2028	299,880	299,880	0	2029	308,700	308,700	0	2030	308,700	308,700	0	2031	308,700	308,700	0	2032	308,700	308,700	0	2033	308,700	308,700	0		2,944,900	2,944,900	0	LTD Amount: 0		Total Project Cost: 2,944,900		<table border="1"> <thead> <tr> <th>GL Account</th> <th>Description</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td colspan="3">Expense</td> </tr> <tr> <td>3425</td> <td>CONSTRUCTION CONTRACT</td> <td>258,720</td> </tr> <tr> <td colspan="2">Total Expense:</td> <td>258,720</td> </tr> <tr> <td colspan="3">Revenue</td> </tr> <tr> <td>0461</td> <td>TSF FRM REV FUND-PAYGO</td> <td>208,720</td> </tr> <tr> <td>0699</td> <td>MISC FEDERAL GRANTS</td> <td>50,000</td> </tr> <tr> <td colspan="2">Total Revenue:</td> <td>258,720</td> </tr> </tbody> </table>	GL Account	Description	Total Amount	Expense			3425	CONSTRUCTION CONTRACT	258,720	Total Expense:		258,720	Revenue			0461	TSF FRM REV FUND-PAYGO	208,720	0699	MISC FEDERAL GRANTS	50,000	Total Revenue:		258,720
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6818TR	Scenario:	Main
Title:	Transit Buildings Capital Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Infrastructure & Operations	Project Type:	TRANSIT
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the required annual upgrades and repairs to the transit terminal, bus shelters/ canopies, bus barn and bus wash facilities.	In 2024, this project includes emergency repairs to the transit terminal, bus wash, bus barn and bus shelters/ canopies.

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Drew Poeta	Dec 31, 2024

Number:	6819SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Electrical Upgrades 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project will provide electrical upgrades to the Wastewater Treatment Plant.	<p>Many electrical components have passed their useful life and represent a significant risk to the continuous operation of the facility. The funding provides for materials as well as a staff electrician to work on the projects.</p> <p>The staff electrician is also working on other capital and operating projects within the water and wastewater system. Typical projects would include replacing and repairing conduits, MCC's, process controls, SCADA, lighting and various electrical components.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																					
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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	15 Years	Karin Pratte	Dec 31, 2024

Number:	6820SS	Scenario:	Main
Title:	Wastewater Treatment Plant Exterior Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation and repair of the 11 buildings at the Wastewater Treatment Plant.	Funding in this project will replace fencing, roofs, and brick veneer and to perform landscaping upgrades along the Kate Pace Way and the Wastewater Treatment Plant. The 2024 program will provide for the replacement of the brick veneer for the administration building.

Scenario Description	Scenario Comments
	The following details support the capital forecast for 2025 to 2032: 2025 to 2032 General building rehabilitation, brick veneer replacement, paving, and roofing upgrades.

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts

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2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	6821SS	Scenario:	Main
Title:	Wastewater Treatment Plant Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program for emergency repairs at the Wastewater Treatment Plant. Minor improvements to systems are also funded from this project.	This project provides funds to support emergency repairs at the Wastewater Treatment Plant. In 2024, the project will replace the aging waste and return piping and include upgrades to the polymer injection system and the blower system.

Scenario Description	Scenario Comments
	The following details support the capital forecast for 2025 to 2033: Various repairs and upgrades; such as, the replacement of industrial water lines, sludge feed line, and return lines, the removal of asbestos insulation, rebuild of muffin monster, and valve replacements.

Forecast	Project Detailed 2024																																
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	6823WS	Scenario:	Main
Title:	Water Meter & Radio Upgrade 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Equipment Replacement
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description		Comments	
<p>This project provides for the upgrade of the Neptune water meter data collectors from R450 to an R900 system utilizing the LoRaWAN gateway to enhance communications between the water meters and the Neptune software. This project also provides for the replacement of the older retrofit, non-Neptune water meters that are approaching end of life.</p>		<p>The current Neptune water meter data collectors have reached the end of their useful life. This project will replace the current units with the updated model over the next couple of years. There are several older water meters that have reached the end of their useful lives.</p>	

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Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	15 Years	Margaret Karpenko	Dec 31, 2024

Number:	6825WS	Scenario:	Main
Title:	Water Plant Maintenance 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project is to provide for an annual recurring maintenance program to keep the Water Treatment Plant operating within established regulations.	This project includes the maintenance requirements for the Water Treatment Plant, as well as any emergency repairs/ replacements as required during the year. In 2024, this program will be used for the maintenance and repair of the chemical dosing panels and pressure reducing valve maintenance and any emergency repairs which arise.

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	10 to 20 Years	Karin Pratte	Dec 31, 2024

Number:	6826WS	Scenario:	Main
Title:	Water Reservoir Upgrades 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for an on-going program for upgrades, repairs, and replacement at the City's water reservoirs.	There are 4 water standpipes, a reservoir, 3 pumping stations, and 5 buildings. This project will fund upgrades and repairs at these facilities. In 2024, this project will provide for upgrades to SCADA and the communication system, as well as, replacement of doors and windows.

Scenario Description	Scenario Comments
	The following details support the capital forecast for 2025 to 2033: 2025 to 2033 Upgrades to piping, valves, chemical closing, instrumentation, and controls

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	6827PR	Scenario:	Main
Title:	Waterfront Rehab Program 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	PARKS
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the rehabilitation to the waterfront park land. The program includes the rehabilitation of turf, trees, beaches, trails, walkways, furnishings, lighting, the bench program, and parking lots.	In 2024, this budget is going towards the refurbishment of the Shabogestic Beach building. Upgrades include replacing the outer wooden paneling, bringing the washrooms and public spaces up to current accessibility standards, redefining the interior space to make it more usable for all users and tenants.

Scenario Description	Scenario Comments

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Dave Schroeder	Dec 31, 2024

Number:	6828WS	Scenario:	Main
Title:	Watermain Rehab and Restoration 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for the on-going upgrades and rehabilitation of the water system and is designed to eliminate single point failures and redundancies in the water distribution network.	The 2024 program will fund the installation of new watermain in the City core to replace aging infrastructure.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	30 to 75 Years	Domenic Schiavone	Dec 31, 2024

Number:	6829WS	Scenario:	Main
Title:	Watermain Replace/Ream/Reline 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	WATER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>This project provides for an on-going program to fund the looping of dead-end watermains which provides a permanent solution for adverse water conditions; such as, dirty water and low chlorine residual.</p> <p>Work will be completed by City staff and equipment.</p>	<p>Dead-end watermains creates an environment for adverse water conditions within the main. These adverse water conditions are currently being mitigated through continuous flushing which does waste water. Looping dead-end watermains provides a permanent solution to the adverse water conditions caused by these dead-ends and also reduces the water waste through continuous flushing.</p> <p>The 2024 program will address three dead-end watermain locations: Wickstead, Vanier and Franklin.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	40 to 75 Years	Domenic Schiavone	Dec 31, 2024

Number:	6830SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Structural Repairs 2024 On-Going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides for design and construction related to structural repairs required at the Wastewater Treatment Plant in accordance with recommendations outlined in the 2011 condition assessment.	The Wastewater Treatment Plant has many concrete tanks that are used for process treatment streams. The tanks are between 40-65 years old and their structural integrity is diminishing. All exposed concrete elements of the tanks show a great deal of cracking in the walls. The tanks' expansion joints are generally in poor condition and overgrown with vegetation in some locations. The concrete must be repaired before further damage and/ or leaking occurs. Repairs to the secondary and aeration tanks are to occur in 2024. Prior work was done through capital projects 3829SS and 4337SS.

Scenario Description	Scenario Comments

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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Karin Pratte	Dec 31, 2024

Number:	6831SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Roof Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	SANITARY SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
This project provides funds for the rehabilitation and replacement of the rooves of 11 buildings at the Wastewater Treatment Plant.	<p>This project includes the repairs and replacements of the rooves at the Wastewater Treatment Plant. Work will be completed based on the condition of the buildings.</p> <p>This project will replace the roof at the centrifuge building, which has been identified through a condition assessment as being in very poor condition.</p> <p>Past work was done through capital project 4204SS.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	20 Years	Karin Pratte	Dec 31, 2024

Number:	6832ST	Scenario:	Main
Title:	Rear-Lot Drainage Rehab 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Infrastructure & Operations	Project Type:	STORM SEWER
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for rehabilitation of rear-lot drainage.</p> <p>Engineering services will include pre-engineering (survey and geotechnical), preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction.</p>	Rear-lot drainage infrastructure includes ditches, swales, and storm sewer systems located in easements on private property, typically residential property. Over time, drainage characteristics and needs can change, as well, historical encroachments and amendments by homeowners can also affect drainage characteristics, all necessitating rehabilitation of the rear-lot drainage.

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Adam Lacombe	Dec 31, 2024

Number:	6833RD	Scenario:	Main
Title:	Resurfacing Structure Repair 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The project involves the engineering and construction services for rehabilitation structures ahead of the annual resurfacing contract.</p> <p>Engineering services will include survey, design, contract drawings, specifications, tendering, and construction.</p>	<p>The annual resurfacing contract includes repair and rehabilitation to the upper sections of structures in the roadway, including catchbasins and manholes. For catchbasins, this requires removal and replacement of curb and gutter, which often cannot occur on the same schedule required for the adjacent asphalt rehabilitation. This contract will undertake the repair and rehabilitation of the structures and curbs in advance of the resurfacing contract.</p>

Scenario Description	Scenario Comments

Forecast	Project Detailed 2024																																																																									
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Related Projects	Operating Impacts			
Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	25 Years	Adam Lacombe	Dec 31, 2024

Number:	6834RD	Scenario:	Main
Title:	Citywide Sidewalk Tactile Plates 2024 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Infrastructure & Operations	Project Type:	ROADS
Budget Year:	2024	Active:	Yes

Description		Comments	
This project provides for an on-going program of intersection crossing upgrades throughout the City and is used to assist the City in maintaining compliance with the Accessibility Act.		In 2024, the program will upgrade sidewalks at intersection crossings to include tactile plates for accessibility standards.	

Scenario Description		Scenario Comments	
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Forecast				Project Detailed 2024		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2024	100,000	100,000	0	Expense		
2025	100,000	100,000	0	3425	CONSTRUCTION CONTRACT	100,000
2026	100,000	100,000	0			Total Expense: 100,000
2027	100,000	100,000	0	Revenue		
2028	100,000	100,000	0	0461	TSF FRM REV FUND-PAYGO	100,000
2029	100,000	100,000	0			Total Revenue: 100,000
2030	100,000	100,000	0			
2031	100,000	100,000	0			
2032	100,000	100,000	0			
2033	100,000	100,000	0			
	1,000,000	1,000,000	0			
LTD Amount: 0		Total Project Cost: 1,000,000				

Related Projects		Operating Impacts	
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Year Identified	Start Date	Useful Life	Manager	Completion Date
2024	Jan 1, 2024	TBD	Scott Franks	Dec 31, 2024

Number:	8024FL	Scenario:	Main
Title:	Vehicle and Equipment Life Cycle 2024	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - General Government	Project Type:	FLEET
Budget Year:	2024	Active:	Yes

Description	Comments
<p>The Fleet vehicles and equipment are tracked and reviewed on an annual basis to determine which vehicles and equipment require replacement or are required to meet departmental needs and demands.</p> <p>The planned buy-list is determined the previous year and is mainly funded by the Fleet Lifecycle Reserve (99586R) as well as Provincial Gas Tax and ICIP Public Transit Stream funding.</p>	<p>This project is to process the fleet purchases planned for 2024 and will be funded from the fleet lifecycle reserve as well as Provincial Gas Tax and ICIP Public Transit Stream funding.</p>

Scenario Description	Scenario Comments

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Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
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