

Capital Improvement Program Summary 2022 - 2031

Section C: Infrastructure Transportation Projects

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Intersection Improvements - Non-Growth*	C-5	\$ 2,760,000	\$ 1,134,166	\$ 1,625,834	Currently completing 2023 intersection improvements and reviewing next year's program.
Bikeways/Pathways/Sidewalks Along Roadways*	C-6	\$ 5,496,000	\$ 215,589	\$ 5,280,411	Currently completing the 4 Avenue and 7 Street project, with some carry over into 2024. The Crowsnest Trail to WT Hill detailed design is 70% complete for this project and the construction will start and be completed in 2024.
Accessibility Improvements*	C-7	\$ 1,246,000	\$ 390,321	\$ 855,679	Currently completing construction of accessibility ramps that are either missing or need to be replaced and continuing to update intersections with audible push buttons.
Annual Overlay Program*	C-8	\$ 5,230,000	\$ 4,820,435	\$ 409,565	Overlays are complete for 2023 and planning has begun for the 2024 program.
Bridge Rehabilitation Program*	C-9	\$ 8,075,000	\$ 1,748,132	\$ 6,326,868	Completed one rehab project and currently designing for next year's bridge rehab program.
Railway Rehabilitation Program*	C-10	\$ 1,645,000	\$ 803,734	\$ 841,266	Currently completing railway rehabilitation program, including two concrete rail crossings.
Major Sidewalk Rehab Program*	C-13	\$ 668,000	\$ 34,489	\$ 633,511	Currently completing construction of "block to block" sections of concrete sidewalk that are either missing or need to be replaced.
Paved Lane Rehab Program*	C-14	\$ 932,000	\$ 127,046	\$ 804,954	Five lanes completed in 2023 with remaining four lanes to be started in 2024.
10 Ave S and 9 Ave S Functional Planning and Design	C-16	\$ 450,000	\$ 500	\$ 449,500	Project started with anticipated completion at end of 2024. The first engagement opportunity occurred at the Community Conversation event on October 23rd.

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North Scenic Drive (Uplands Blvd to 44 Ave) Stage 1	CO-2	\$ 3,895,000	\$ 442,568	\$ 3,452,432	This project was cancelled in 2020 due to a lack of development in this area. Low traffic usage and low developer interest resulted in this project being delayed. Preliminary design work was completed under the previous CIP 2018-2027 CO-3.
Total		\$ 30,397,000	\$ 9,716,980	\$ 20,680,020	

*Note 1: Projects are considered to be annual programs and include budget up to 2023. All other projects include budget up to 2026.

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Section D: Community Projects

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Lethbridge & District Exhibition: Agri-Food Hub (Trade Centre)	D-5	\$ 72,824,000	\$ 72,824,000	\$ -	On August 24, 2020 City Council approved the Lethbridge & District Exhibition: Agri-Food Hub project. The Agri-Food Hub and Trade Centre hosted its opening ceremony on August 10 2023.
Lethbridge Airport Improvements	D-6	\$ 25,836,254	\$ 23,228,818	\$ 2,607,436	Project is complete. Pavement rehabilitation (runways, aprons and taxiways) was under budget by approx \$2 million. Electrical rehabilitation and terminal renovations under budget by approx \$600K.
West Lethbridge Operations Depot (Phase 3a)	D-7	\$ 6,436,000	\$ 411,190	\$ 6,024,810	Detailed design of future fleet and equipment storage facility is 90% complete and waiting for the pretender estimate. It is anticipated that the construction of the building will occur in 2024/2025.
Parks Asset Management*	D-9	\$ 1,300,000	\$ 163,793	\$ 1,136,207	2023 projects include the Rutgers shale pathway that was replaced with asphalt, various asphalt and aggregate pathway repairs, mountain bike park safety repairs and improved rideability. Currently planning projects for 2024 and 2025.
Fritz Sick Pool Renovation	D-13	\$ 530,000	\$ 3,250	\$ 526,750	Currently in conceptual design phase. It is proposed this project be removed from the CIP as it can be completed through other funding sources such as lifecycle funding and the Facility Assessment and Accessibility Upgrades CIP project D-11.
PSCC Secondary Site Renovations	D-15	\$ 700,000	\$ 679,413	\$ 20,587	Project is substantially complete and in warranty period.

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Section D: Community Projects

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Mountain View Cemetery Irrigation Automation - Blocks A-G	D-16	\$ 486,000	\$ 10,663	\$ 475,337	Project in progress, engineering consultant selected, design complete, construction to start in spring 2024.
Henderson Ice Centre Upgrade	D-17	\$ 6,091,000	\$ 6,600	\$ 6,084,400	Project is currently in design. Construction is expected to begin in the summer of 2024.
Electric Bus and Charging Infrastructure	D-18	\$ 20,831,000	\$ 48,896	\$ 20,782,104	Consulting work was awarded in spring of 2023 to IBI Consulting. IBI is currently performing a needs assessment exercise. Once complete, the purchase of buses will commence.
Parks Irrigation Central Control	D-19	\$ 500,000	\$ 347,472	\$ 152,528	Project in progress, planning to order more controllers in 2024.
Urban Core Public Realm Enhancement Program	D-20	\$ 2,375,000	\$ 183,875	\$ 2,191,125	The Galt Gardens Playground opened in October 2023. Remaining projects will continue into 2024.
Indigenous Place-making Strategy	D-21	\$ 375,000	\$ 91,790	\$ 283,210	Project has started and will be complete in 2024.
Fire Station #3 - 16 Ave S. Relocation	D-22	\$ 4,990,000	\$ 13,775	\$ 4,976,225	Only funding for the purchase of land and the detailed functional study has been approved by Council. Funding for construction has not been determined. The functional study is underway and the final report from the consultants is expected to be completed by the end of November.
Outdoor Sports Court	D-23	\$ 900,000	\$ 33,087	\$ 866,913	Council approved scope reduction from two courts down to one. Engineering consultant selected, design complete, construction anticipated to begin in spring of 2024.
Crossings Branch Expansion and Enhancement	D-24	\$ 947,000	\$ 780,491	\$ 166,509	Project is substantially complete and working through deficiency items.

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PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
SAAG Facility Enhancements	D-28	\$ 6,014,000	\$ 96,144	\$ 5,917,856	Project is currently in design. As a result of a more detailed understanding of the SAAG's functional requirements the project is on pause to allow for investigation into additional funding sources.
Legacy Park Pickleball Courts	D-30	\$ 650,000	\$ 382,111	\$ 267,889	Project will be complete in 2023. Courts to be opened in September 2023.
3rd Avenue South (Stafford Dr to MMD) Upgrade	D-31	\$ 300,000	\$ 186,039	\$ 113,961	The first and second rounds of community engagement have been completed. Ideas from the engagement combined with the existing background report, feasibility of implementation, and maintenance to start the functional design have been put on hold due to the pressures of COVID-19 on businesses and stakeholders. The functional design is currently in progress. Funding for construction has not been determined.
Performing Arts Centre	D-39	\$ 375,000	\$ 228,355	\$ 146,645	Initial site recommendation is completed.
Indigenous Cultural Centre Site Planning	D-42	\$ 350,000	\$ 168,748	\$ 181,252	Project has started and will be complete in 2024.
Indoor Court/Multipurpose Space Functional Study	D-43	\$ 100,000	\$ 41,265	\$ 58,735	Study is complete and the Indoor Court Audit and Analysis Recommendation Strategy was presented to Cultural and Social SPC on June 15, 2023. On June 27, 2023, City Council received the report and approved \$50,000 from Recreation & Culture's operating budget to fund a condition assessment of the Exhibition Pavilions to determine whether they can be re-purposed. Any future considerations are pending the outcome of the assessment for the former Exhibition Pavilions.

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Section D: Community Projects

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Lethbridge Police Service Master Plan	D-44	\$ 320,000	\$ 117,211	\$ 202,789	The master plan will be complete by the end of 2023.
Public Library Master Plan	D-45	\$ 320,000	\$ 223,819	\$ 96,181	The master plan will be complete in 2023 and is tentatively scheduled to be presented to City Council in October.
Nikka Yuko Japanese Garden Master Plan	D-47	\$ 320,000	\$ 253,067	\$ 66,933	Currently in the final draft stage of completion.
Parks Master Plan	D-48	\$ 320,000	\$ 121,999	\$ 198,001	Consultant selected, community engagement completed, first draft expected Q4 2023.
River Valley Ridership Study and Analysis	D-49	\$ 164,000	\$ 158,032	\$ 5,968	Project is complete and the CultureLINK report was presented to the Cultural and Social SPC meeting on February 16, 2023. City Council requested that the options and costs associated with the development of a transportation system between the Galt Museum and Fort Whoop-Up be brought forward by the end of Q4 2023. This is scheduled to come to the Economic SPC meeting on November 16, 2023.
Warehouse District Area Redevelopment Plan	D-50	\$ 350,000	\$ 294,076	\$ 55,924	Project will be complete in early 2024.
WRU Sanitation Vehicle Storage Building Expansion	D-51	\$ 1,400,000	\$ 255,897	\$ 1,144,103	Project in construction and is expected to be substantially complete by December 2023. Billing and final closeout in 2024
Total		\$156,104,254	\$ 101,353,876	\$ 54,750,378	

*Note 1: Projects are considered to be annual programs and include budget up to 2023. All other projects include budget up to 2026.

Capital Improvement Program Summary 2022 - 2031

Section E: Infrastructure Environmental Utilities

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Waste & Recycling Curbside Organics Collection	E-7	\$ 10,629,000	\$ 10,109,247	\$ 519,753	Project is in progress and is expected to be completed within budget.
Waste & Recycling Centre Disposal Cell Development and Closure*	E-8	\$ 5,151,000	\$ 2,647,951	\$ 2,503,049	Project is in progress.
Waste & Recycling Centre Site Enhancements*	E-10	\$ 4,460,000	\$ 1,287,098	\$ 3,172,902	Substantial design work has been completed for the Scale Facility Upgrade and the Education Centre upgrades with construction to begin in 2024. Preliminary design work has begun for the roads and parking area with construction taking place in 2024. The Debris fence installation project has been completed within budget.
Sustainability Enhancements	E-11	\$ 1,769,000	\$ 804,015	\$ 964,985	Solar leachate pumping systems and fencing enclosure installation completed at the NSCL to form a longer term network for leachate management. The Solar Carport installation in the Fritz/LSCO parking lot is nearing completion and is on budget.
Water Treatment Plant Process Redundancy	E-12	\$ 14,000,000	\$ 241,251	\$ 13,758,749	Project is in progress. Engineering design estimated completion and tender in 2024, construction completion 2027
Water Treatment Plant Medium Voltage Upgrades	E-13	\$ 7,500,000	\$ 77,569	\$ 7,422,431	Project is in progress. Engineering design estimated completion and tender in 2024, construction completion 2027
Wastewater Treatment Plant Effluent Water System Upgrade	E-20	\$ 1,000,000	\$ 39,701	\$ 960,299	Engineering design underway, tender in 2024, completion by 2025.
Total		\$ 44,509,000	\$ 15,206,832	\$ 29,302,168	

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Section F: Infrastructure Electric Utility

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Protection and Control*	F-4	\$ 2,040,000	\$ 1,153,423	\$ 886,577	Projects to date include the replacement of line protection and controls at both the 146S and 593S substations, and initial engineering and materials procurement for 674S substation. Projects are on time and expected to close within budget.
Substation Transformer Upgrade	F-5	\$ 16,897,000	\$ 6,212,688	\$ 10,684,312	After additional delays to the 146S substation, T1 & T2 transformer projects, both of these projects will be completed and capitalized in 2023. Procurement and engineering work has begun for 593S substation transformer upgrade. Some materials have been procured for the new transformer at 674S substation, with its replacement scheduled to take place in 2024.
Substation Infrastructure (Yard/Building) Upgrades*	F-6	\$ 420,000	\$ 90,376	\$ 329,624	Projects included a fencing and pavement upgrade at 241S substation in late 2022. In 2023, 593S received an upgrade to the substation paving. Both projects came in under budget.
Substation Breakers and Switches Upgrade*	F-7	\$ 2,500,000	\$ 1,030,045	\$ 1,469,955	Work continues on two end of life 138 kV breakers replaced at the 146S substation, as well as a 138kV structure repair at the 593S substation. With project work almost complete on substation 146S and well underway on 593S material and contractor costs remain on budget to date, with no expectation to change.

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Section F: Infrastructure Electric Utility

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Distribution Extension & Improvement Annual Program*	F-8	\$ 21,450,000	\$ 16,476,639	\$ 4,973,361	Scheduled projects for this year include wrapping up the substation feeder tie on 43rd Street, as well as a new feeder from substation 146S to 593S. Along with new customer servicing (residential, commercial, subdivisions) rising, crews will be kept busy while remaining on budget.
Distribution Main Line / Single Phase Renewal Annual Program*	F-9	\$ 6,000,000	\$ 3,981,354	\$ 2,018,646	This annual program saw the Lethbridge Electric Utility focusing on overhead renewal projects and underground fault repairs within Tudor Estates during 2023. There is no expectation of budget overruns.
Dark Fibre Systems*	F-10	\$ 1,525,000	\$ 2,176,380	\$ (651,380)	Work on placing dark fibre at the Oldman River Crossing, Nicholas Sheran Depot and extending fibre cable connection from Bridge Drive W to Crowsnest Trail W, is the focus this year. The variance in the budget is due to purchasing Fibre cable and ducts for future projects. It is anticipated the budgets will align once these projects have begun.

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Section F: Infrastructure Electric Utility

Projects in progress during 2023

PROJECT	CIP PAGE	BUDGET	EXPENDITURES (TO AUG 31, 2023)	BUDGET REMAINING	COMMENTS
Support Plant Renewal Annual Program*	F-11	\$ 2,438,000	\$ 1,715,316	\$ 722,684	The Lethbridge Electric Utility purchased two new pickup trucks in addition to a new aerial bucket truck to replace those at end of useful life. Scheduled replacement of essential trucks, service vans and hydrovac units required to support capital programs (and ongoing maintenance) have either been tendered or are in the process. There is an expectation of delay in receiving some of these required units due to supply chain issues. New tools this year included the purchase of two handheld metering units as well as a fluke thermal imager used to detect leaks. Budgets remain on target.
Electric System Coordination Centre*	F-12	\$ 362,000	\$ 173,483	\$ 188,517	Project work concentrated on the installation of fault indicators and line sensors devices. These devices are a vital component in the Advanced Distribution and Management System (ADMS) as they provide real-time information as to the health of feeder circuits within the Distribution network. The addition of the Advanced Historian software which maintains a historical archive of the operational statuses, analogs, events and alarms from the City's Electric Distribution network via the ADMS, also known as SCADA.
Total		\$ 53,632,000	\$ 33,009,704	\$ 20,622,296	

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