

Infrastructure Priority List- May, 2023

Project #	Department	Project Name	Project Description	Total Project Cost (\$000)	Timelines for Completion	Current Budget Status (Partial or Not Budgeted)	External Funding Options	Recommended Priority
1	Infrastructure & Operations	Centennial Botanical Conservatory	Energy upgrades to replace inefficient boilers and glass, structural upgrades to re-open two display areas currently closed due to risk of structural failure, and retrofits to improve accessibility and overall facility functionality for the public. The Conservatory site also requires renewal to provide improved parking layout as well as indoor/outdoor multiuse space.	\$6,000	2024-2026	Partial	Successful funding to date (NOHFC, Canada Cultural Spaces); applications submitted to NOHFC, GICB.	1
2	Infrastructure & Operations	Second Access to Fuel Storage on McKellar Island	New Construction. The existing McKellar River Bridge is a wooden structure owned by CP Rail which does not have capacity to allow two lanes of traffic. This bridge is high risk structure as a single point of failure for fuel deliveries to the City and Region. A secondary access structure is recommended. Structure recommended is for Active Transportation and would act in an emergency for vehicles.	\$20,000	2025-2030	Not Budgeted	N/A	1
3	Community Services	Port Arthur Recreation Hub	Develop new twin pad indoor arena facility to include multi-purpose space and integrate new Port Arthur Stadium amenities to create a new recreation hub that rationalizes indoor ice surfaces, and improved tournament hosting opportunities. Aligns with the Recreation Facilities Master Plan	\$28,500	2024-2030	Not Budgeted	Unknown	1
4	Community Services	Multi-use Indoor Sports Facility	Proposed upgraded design, net zero carbon, year round indoor turf facility with walking track, other amenities to be located at Chapples Park.	\$51,800	2026	Partial	Application submitted to Infrastructure Canada's GICB Program	1
5	Infrastructure & Operations	Signal Communications Upgrade	Upgrade existing legacy traffic signal system to improve detection, allow remote signal timing adjustments and syncing of intersection signals, which will all help to manage speeds, traffic flow, and reduce idling/energy consumption/pollution.	\$4,000	2025	Partial	N/A	1

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6	Community Services	Transit Hub Improvements	Outputs of the project will include establishing one new transfer hub and will introduce new or improved infrastructure at four (4) existing hubs. Improvements at all hubs will include better accessibility, mobility access and safety features as well as passenger amenities including larger, heated shelters/waiting areas, real-time electronic passenger information screens, etc.	\$8,190	2024-2033	Partial	ICIP approved project; however, project subject to potential impacts from future fleet electrification plans.	1
7	Community Services	Transit Bus Shelter and Stop Improvements	This project will generate approximately 54 new mobility hard surface pads at stops not in alignment with accessible bus stop design guidelines and approximately 16 new bus shelters that will be installed at stops where there are a high number of boardings, where two or more routes intersect or where community/network needs warrant.	\$737	2024-2033	Partial	ICIP application submitted	1
8	Community Services	Transit - New Secondary Access to Maintenance Facility and Upgrades	The scope includes building a driveway to connect maintenance facility to High street. Driveway access will be electronically controlled by a new secure bus only automated gate. Also included is creation of a new on-street bus bay, which includes a new accessible bus shelter, installed on a new concrete pad.	\$200	2024-2025	Partial	ICIP application submitted	1
9	Community Services	Transit - Signalized Bus Priority	The scope of this project will be to connect to the current existing Transits' 48 conventional buses into ATM system using the fleets existing CAD/Automatic Vehicle Location system/routes. This project is an addendum to Infrastructure and Operation's Signal Communication Upgrade project.	\$525	2025-2026	Partial	ICIP application submitted	1
10	Community Services	Ontario 2024 Winter Games Facility Improvements	Requirements identified to support Thunder Bay's hosting of Ontario 2024 Winter Games. Fort William Gardens - sledge hockey accessibility improvements, new PA system, improved internet connectivity. Delaney Arena - new fibre internet. Canada Games Complex - video scoreboard/timing system, stand alone three (3) m diving platform, new squash court windows for officiating, new PA system. Portable bleachers.	\$959	2024	Partial	Applications submitted to NOHFC, FedNor	1

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11	Infrastructure & Operations	Active Transportation Network Priority Bridges	In reviewing the City's Active Transportation (AT) Plan, several barriers, such as river and railway crossings, have been identified that limit effective travel for commuters and recreational users of our AT network. Funding has been approved for construction of three of these structures that are included on the Active Transportation Plan Priority Network through the National AT Fund. The City's portion of leveraged funding needs to be budgeted. Design is in progress.	\$4,500	2024-2026	Partial	Potential - Future Application - ICIP - Community, Culture and Recreation	1
12	Development & Emergency Services	Victoriaville Demolition	Demolition of Victoriaville Centre	\$5,840	2023-2024	Partial	N/A	1
13	Infrastructure & Operations	Victoria Ave Reconstruction	Premium streetscape materials and public realm improvements to downtown core main streets.	\$8,000	2025	Not Budgeted	N/A	1
14	City Manager Office	Archives Expansion	The vaults for storing permanent archival records in the Harry Kirk Archives and Records Centre Building will be at full capacity by 2024. A 4200 square foot addition is proposed. The addition will house an additional 40-45 years of archival material.	\$3,500	2022-23	Partial	N/A	1
15	Infrastructure & Operations	Waste Management	A) Curbside Organics Collection- As per the current Provincial Policy Statement, the City must have a Curbside Organics (food waste) Collection program in place by 2025. Requires purchase of carts, kitchen catchers, collection and processing capabilities and infrastructure, and public education. Typically this is the most expensive waste stream to manage.	\$20,000	2024 - 2027	Partial	N/A	1
			B) Automated Collection- Move to automated collection of waste using a phased in approach. Requires purchase of carts, delivery, collection truck enhancements, management system to address cart maintenance and inventory, infrastructure to house supply of carts, staff training and public education campaign. This is a recommendation of the City's long-term Solid Waste Management Strategy.	\$4,500	2024-2027	Not Budgeted	N/A	1

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			C) Vehicle Storage- Landfill- Consolidate Solid Waste operations to the Landfill. Upgrades would also be required to the Administration Building to house additional staff. This project will be influenced by the mandated Curbside Organics Collection, and the Automated Collection Program, both of which will see an upgrade to the current fleet.	\$8,500	2025	Not Budgeted	N/A	2
16	Infrastructure & Operations/ Community Services- Facilities	Waterfront Development	A) Sleeping Giant Parkway Extension to Pool 6. Extension of road from south limit of Art Gallery to Pool 6 building.	\$2,650	2025	Not Budgeted	N/A	1
			B) Waterfront Phase 2 Master Plan. Development of Pool 6 lands, three hills biking/skating area, trails, cultural area, cruise ship facility.	\$50	Multi-year	Not Budgeted	N/A	2
			C) Waterfront Trail -A Waterfront Trail Plan has been preliminarily designed along Lake Superior to connect Fisherman’s Park at the north end of the City at the mouth of the Current River, to Mission Marsh at the south end of the City. Priorities include design of structures and construction of Nowparc spur.	\$2,700	2023-2026	Partial	N/A	2
			D)Sleeping Giant Parkway Land Acquisition and Construction. Land acquisition and construction of road from Pool 6 lands south to Maureen Street and Central Overpass.	\$4,500	2026-2028	Not Budgeted	N/A	3
			E) Pool 6 Dock Improvements. Install additional bollards and access for tenders (small watercraft).	\$1,000	2023-2025	Not Budgeted	N/A	3
			F) Parks Building-Marina. Construct a new building to support Marina Park operations. The building is already designed.	\$10,000	2024-2026	Not Budgeted	N/A	3
17	Infrastructure & Operations	Black Bay Bridge- Heritage Structure	Arundel Street Heritage Structure Rehabilitation. Minor rehabilitation of heritage structure on Arundel St crossing the Current River.	\$5,000	2024-2029	Not Budgeted	N/A	2

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18	Infrastructure & Operations	East End Overpass	Major rehabilitation of structure.	\$5,000	2024-2029	Not Budgeted	N/A	2
19	Infrastructure & Operations	Port-to-Fort Cycling Corridor	Shoulder widening and paving of road cross section, intersection improvements, Vickers/Carrick bridge construction. Currently in design. The Port to Fort Cycling Corridor largely follows the Carrick and Vickers St. corridors, and provides a North/South commuter cycling connection/infrastructure between downtown Port Arthur and Fort William.	\$6,000	2023-2025	Partial	N/A	2
20	Infrastructure/Operations/Community Services	Dease Park Re-Development	Re-develop Dease Park and former Dease Pool site. Phase 1 - Dease Park Re-development including installation of a permanent rink/slab, lighting, walkways, green space almost complete. Former Dease Pool site - concept design for skatepark/urban skate plaza prepared. Additional phases include enhanced play structure, new shade structure/seating, park amenity building, and traffic calming measures.	\$2,500	2024-2030	No	Thunder Bay Skate Coalition expressed interest in fundraising for Skatepark/Urban Skate Plaza	2
21	Community Services	Community Centre Retrofit, Upgrades, Expansions	Review of community centre retrofit, upgrade, expansion plan is required to confirm priorities. Potential multi-year improvements include: Current River/North End Community Centre expansion; renovations/expansion Kinsmen Centre to serve as Family Services hub/absorb Vale Community Centre activities; increased programming space for older adults south core; Volunteer Pool accessibility improvements. Aligns with Recreation Facilities Master Plan & Net-Zero Aspirations.	\$4,500-\$7,000	2024 - 2026	Not Budgeted	Potential - Future Application GCIB	2
22	Community Centre	Tournament Centre Facility Renewal	On Dec 31,2025 the Tournament Centre reverts back the City of Thunder Bay. Project involves renewal of components not included in the management agreement, modernization of the equipment and systems, site accessibility, and increased thermal performance in preparation of fuel switching to meet net-zero aspirations.	\$4,500-\$7,000	2024-2026	Not Budgeted	Potential - Future Application GCIB	2
23	Infrastructure & Operations	Outdoor Sport Field Renewal	The City's outdoor fields require reconstruction to provide a safe surface for users and to provide drainage to increase the playing season for soccer, baseball, softball, football and other turf sports. Drainage of field CP1-3. There are many additional fields to be planned for, outside of this cost.	\$10,500	2022-2026	Not Budgeted	Potential - Future Application - ICIP - Community, Culture and Recreation	3

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24	Infrastructure & Operations	Northwest Arterial	Design of the Northwest Arterial to be ready for construction in conjunction with the MTO Thunder Bay Expressway interchange project which is proposed to be shovel ready in 2025.	\$25,300	2025	Not Budgeted	Seeking funding MTO	3
25	Infrastructure and Operations	Salt Storage Buildings	Three storage facilities; requirement of the Ministry of Environment.	\$6,000	2026	Not Budgeted	N/A	3

TOTAL \$265,951-\$279,951