

2022 Capital Works Construction Program: Water and Waste

Department	Fund Source	CAPITAL BUDGET PROJECT	PROJECT DESCRIPTION	ESTIMATED PROJECT COST	ESTIMATED CONTRACT AMOUNT	MAJOR TENDER QUANTITIES	TENDER CLOSING DATE (M-Y)	TENDER COMPLETION PERIOD	CONSULTANT
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	2022 Sewer Cleaning and Inspections	\$3,100,000	\$2,800,000	Cleaning and inspection of about 120 km of various sewers and flow types throughout Winnipeg	TBD	6 months	TBD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 1	\$1,532,000	\$1,332,840	Renewal of 986 m of existing water mains ranging in size from 150mm to 250mm diameter	Apr-22	7 months	In House - WWD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 10	\$1,490,000	\$1,296,300	Renewal of 822 m of existing water mains ranging in size from 150mm to 300mm diameter. Crossing of CP Rail	Apr-22	7 months	Tetra Tech
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 11	\$1,732,000	\$1,506,840	Renewal of 1109 m of existing water mains ranging in size from 150mm to 200mm diameter	Apr-22	7 months	In House - WWD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 12	\$1,412,000	\$1,228,440	Renewal of 1109 m of existing water mains ranging in size from 150mm to 200mm diameter	Apr-22	7 months	In House - WWD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 13	\$1,960,000	\$1,705,200	Renewal of 1109 m of existing water mains ranging in size from 150mm to 200mm diameter	Apr-22	7 months	In House - WWD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 5	\$2,163,000	\$1,881,810	Renewal of 1385 m of existing water mains ranging in size from 150mm to 200mm diameter	Apr-22	7 months	TBD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 6	\$1,548,000	\$1,346,760	Renewal of 918 m of existing water mains ranging in size from 150mm to 250mm diameter	Apr-22	7 months	WSP
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 7	\$1,230,000	\$1,070,100	Renewal of 671 m of existing water mains 250mm in diameter	Apr-22	7 months	In House - WWD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 8	\$1,336,100	\$1,162,407	Renewal of 763 m of existing water mains ranging in size from 150mm to 250mm diameter	Apr-22	7 months	TBD
Water and Waste	Waterworks System - Distribution	Water Main Renewals	2022 Water Main Renewals Contract 9	\$2,007,000	\$1,746,090	Renewal of 1320 m of existing water mains ranging in size from 150mm to 200mm diameter	Apr-22	7 months	WSP
Water and Waste	Waterworks System - Supply and Treatment	Tache Booster Pumping Station	Branch I Aqueduct Drain Valve Chamber	\$225,000	\$135,000	Removal of existing valve on Branch I Aqueduct drain to the Red River; installation of valve chamber complete with double blocking 400mm valves; air gap, and monitoring; landscaping and fencing	May-22	1 month	AECOM
Water and Waste	Land Drainage and Flood Control	Lot 16 Drain Slope Stabilization Works	Construction of Lot 16 Drain stabilization works	\$525,000	\$480,000	Re-grading drain slopes and hauling of material for 1200 m of linear drain length	TBD	TBD	Eng-Tech
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 2 - Sewer Rehabilitation by CIPP Method	\$2,900,000	\$2,175,000	Rehabilitation of 310 m of sewers by trenchless methods for large diameter, non-circular pipes	May-22	16 months	Morrison Hershfield
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 3 - Sewer Rehabilitation by CIPP Method	\$2,540,000	\$1,905,000	Rehabilitation of 750 m of sewers by CIPP method for large diameter pipes	TBD	TBD	TBD
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 4 - Sewer Rehabilitation by CIPP Method	\$1,520,000	\$1,235,000	Rehabilitation of 1400 m of sewers by CIPP method for large diameter pipes	TBD	TBD	TBD
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 5 - Sewer Rehabilitation by CIPP Method	\$1,250,000	\$938,000	Rehabilitation of 2300 m of sewers by CIPP method for various sizes of pipes	TBD	TBD	TBD
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 6 - Sewer Rehabilitation by CIPP Method	\$1,390,000	\$1,043,000	Rehabilitation of 2700 m of sewers by CIPP method for various sizes of pipes	TBD	TBD	TBD
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 7 - Sewer Rehabilitation by CIPP Method	\$1,900,000	\$1,425,000	Rehabilitation of 4100 m of sewers by CIPP method for various sizes of pipes	TBD	TBD	In House - WWD
Water and Waste	Sewage Disposal System - Collection	Sewer Renewals	Contract 8 - Sewer Rehabilitation by CIPP Method	\$1,692,207	\$1,472,000	Rehabilitation by CIPP lining of approximately 50 sewers ranging in size from 200mm to 525mm	Apr-22	8 months	In House - WWD
Water and Waste	Waterworks System - Distribution/Sewage Disposal System - Collection	Feeder Main Condition Assessment and Rehabilitation/River Crossings Monitoring and Rehabilitation	High Risk River Crossings Phase III - Pipe Inspections	\$3,400,000	\$1,200,000	Inspection of various water and sewer river crossing assets	TBD	TBD	AECOM
Water and Waste	Waterworks System - Distribution/Sewage Disposal System - Collection	Feeder Main Condition Assessment and Rehabilitation/River Crossings Monitoring and Rehabilitation	High Risk River Crossings Phase III - Pipe Modifications	\$3,400,000	\$1,300,000	Modifications and support to water and sewer pipes to facilitate different speciality inspection tools and technology	TBD	TBD	AECOM
Water and Waste	Waterworks System - Supply and Treatment	HVAC Upgrades at Pumping Stations	Hurst Regional Pump Station Chiller Replacement	\$1,000,000	\$800,000	Replacement of the existing chiller system in the Hurst pumping station	TBD	TBD	AECOM
Water and Waste	Waterworks System - Supply and Treatment	Deacon Booster Pumping Station Suction Header Divider Wall and Valve	Installation of large diameter butterfly valve and divider wall in Deacon Booster Pumping Station Suction Header	\$1,350,000	\$1,005,000	Construction of temporary wall, valve pit and permanent wall, installation of butterfly valve and piping	TBD	3 months	AECOM
Water and Waste	Sewage Disposal System - Treatment	NEWPCC Interim Chemical Phosphorous Removal Upgrades	Interim Phosphorous Removal	\$15,000,000	\$13,500,000	Buildings, chemical storage tanks,	TBD	TBD	KGS Group
Water and Waste	Sewage Disposal System - Collection	Combined Sewer Overflow and Basement Flood Management Strategy	Jefferson East Combined Sewer Relief Contract 6B	\$3,500,000	\$3,000,000	Construction of land drainage sewer pipes	TBD	6 months	AECOM

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Water and Waste	Sewage Disposal System - Collection	Combined Sewer Overflow and Basement Flood Management Strategy	Jefferson East Combined Sewer Relief Contract 7	\$8,000,000	\$7,500,000	Construction of land drainage sewer pipes	TBD	TBD	AECOM
Water and Waste	Sewage Disposal System - Collection	Lift Station Upgrading	Metcalfe Lift Station Upgrades	\$3,500,000	\$3,045,000	Upgrade to structural, process, mechanical, architectural of Metcalfe Lift Station	Jul-22	10 months	TBD
Water and Waste	Waterworks System - Supply and Treatment	HVAC Upgrades at Pumping Stations	Natural Gas Engine Upgrades - MacLean & McPhillips Regional Pump Stations	\$2,900,000	\$2,500,000	Upgrades to the cooling loops for five natural gas engine driven pumps	TBD	TBD	AECOM
Water and Waste	Sewage Disposal System - Treatment	NEWPCC Upgrades: Power Supply and Headworks Facilities	NEWPCC Fibre Optic Upgrade	\$4,000,000	\$1,250,000	Supply and installation of fibre network and network panels at NEWPCC	Feb-22	TBD	TBD
Water and Waste	Sewage Disposal System - Treatment	NEWPCC Upgrades: Power Supply and Headworks Facilities	NEWPCC Primary Clarifier	\$12,200,000	\$10,000,000	New scum dewatering equipment and some rehabilitation work for the primary clarification facility at NEWPCC	TBD	TBD	AECOM
Water and Waste	Sewage Disposal System - Treatment	Asset Refurbishment and Replacement Program	NEWPCC UV Pump Replacement	\$500,000	\$500,000	Pump and pipework in the NEWPCC UV building	TBD	TBD	In House - WWD
Water and Waste	Sewage Disposal System - Treatment	NEWPCC Upgrades: Power Supply and Headworks Facilities	NEWPCC UV Transformer Replacement	\$1,000,000	\$1,000,000	Electrical work, transformer	TBD	TBD	CENGY
Water and Waste	Solid Waste Disposal System - Landfill	Brady Road Resource Management Facility – Drainage & Roadways	Paving of North Access Road at Brady Road Resource Management Facility	\$770,000	\$750,000	Asphalt paving and minor roadwork for 980 m of the North Access Road at the Brady Road Resource Management Facility	May-22	1 month	TBD
Water and Waste	Land Drainage and Flood Control	Land Drainage and Combined Sewers Outfall Gate Structures	Renfrew Gate Chamber Upgrades	\$2,800,000	\$2,550,000	New gate chamber, automation, control gates and pump	TBD	TBD	TBD
Water and Waste	Waterworks System - Supply and Treatment	Water Treatment Plant Asset Refurbishment and Replacement Program	Replacement of the Drinking Water Treatment Plant Main Roof	\$5,850,000	\$5,100,000	Approximately 11,400 m ² of roofing replacement on the main building	Dec-22	10 months	TBD
Water and Waste	Sewage Disposal System - Collection	Lift Station Upgrading	Riverbend Lift Station Upgrades	\$3,000,000	\$2,610,000	Upgrade to structural, process, mechanical, architectural of Riverbend Lift Station	Jul-22	10 months	Dillon
Water and Waste	Land Drainage and Flood Control	Outfall Rehabilitation	Riviera Ave Outfall Rehabilitation	\$1,500,000	\$1,450,000	Rehabilitation of land drainage outfall and riverbank stabilization	TBD	4 months	KGS Group
Water and Waste	Sewage Disposal System - Treatment	Asset Refurbishment and Replacement Program	Roofing Works	\$500,000	\$500,000	Roof replacement at various locations	TBD	TBD	In House - WWD
Water and Waste	Waterworks System - Supply and Treatment	Tache Booster Pumping Station	Structural and architectural upgrades to the Tache Booster Pumping Station and Surge Tower	\$1,032,000	\$885,000	Re-roofing of the Tache Surge Tower; repointing of brick and limestone on Tache Surge Tower and Booster Pumping Station; replacement of windows and doors	Apr-22	2 months	AECOM
Water and Waste	Waterworks System - Supply and Treatment	Ultraviolet Light Disinfection System Upgrade	Upgrades to Six (6) Reactors at the DBPS	\$2,130,000	\$1,800,000	Upgrades to internal components of the UV reactors, as well as major programming upgrades to SCADA	May-22	6 months	AECOM
Water and Waste	Land Drainage and Flood Control	Flood Pumping Station Rehabilitation	Upgrading of electrical and ventilation of the Bannatyne Flood Pumping Station	\$1,000,000	\$750,000	Miscellaneous HVAC and electrical upgrades	TBD	TBD	TBD
Water and Waste	Waterworks System - Supply and Treatment	Deacon Site Flood Protection	Various flood protection upgrades including: automatic valving on weeping tile inlet pipes; pumps for weeping tile manholes; manhole modifications and sluice gate installation; drainage pipe installation; and grading.	\$1,920,000	\$1,400,000	Installation of submersible pumps and piping in two existing manholes; installation of actuated valves on weeping tile inlet pipes; manhole modifications and installation of sluice gate; installation of buried sump discharge drain line; grading of gravel parking lot area	May-22	4 months	AECOM
Water and Waste	Land Drainage and Flood Control	Outfall Rehabilitation	Various Sites of Rehabilitation and Renewal	\$1,500,000	\$1,350,000	Rehabilitation, renewal and cleaning/televising of land drainage and combined sewer outfalls	TBD	4 months	TBD