Attachment 2c – Draft 2026-2030 Multi-year Capital Plan

Public Works and Engineering

Year: 2025

Stormwater Separation Program 16O.4

Priority Score: 54.40

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2025	2026	2027 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 30,000	$ 25,000	$ 55,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 30,000	$ 25,000	$ 55,000

Costs Incurred to 2024 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 110,000

Schedule:

Construction Start Date: 06/01/2025

Substantial Completion or purchase date: 12/31/2028

Funding Sources:

Waste Water Rates	$ 110,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Inflow and infiltration reduction works (aka stormwater separation) are undertaken with the funds set aside for this program and can include separation of stormwater catchbasins, public or private, which contribute to the extraneous flows, roof leader and sump pump diversion, and other works selected on a priority basis to reduce inflow and infiltration.

Currently, this years budget is tentatively focused on two significant roofs; the Post Office, and the Roxy theatre.

Attach Images: 16O.4.JPG

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Stormwater Separation Program 16O.4

Priority Score: 54.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	This would affect the local serviced area
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Combined Sewer Overflows are a consequence of stormwater connections
Legislation	Is the project required for legislative/regulatory compliance?	3	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This is an ongoing program in the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Combined Sewer Overflows are a result of stormwater connections, but also very high flows in the system can result in surcharging of the system which results in sewer backups during very high-flow events.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No
Environment	Does the project address needs impacted by climate change?	4	Wet weather flows are now more frequent; this is a very relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	None
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2025

Trunk Main and Valve Chamber Maintenance 21N.10

Priority Score: 56.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2025	2026	2027 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 100,000	$ 100,000	$ 200,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 100,000	$ 100,000	$ 200,000

Costs Incurred to 2024 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 400,000

Schedule:

Construction Start Date: 01/01/2025

Substantial Completion or purchase date: 12/01/2028

Funding Sources:

Water Rates	$ 400,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Several of the larger diameter watermains in the City's water system serve the purpose of "trunk" watermains (analogous to a tree trunk). These supply water to the grid of smaller diameter watermains, and consequently are key parts of the system. The valves on those watermains (Which are high pressure concrete mains) are located in chambers, and are not direct-buried. There are 8 such chambers on the Municipal Trunk Main, mostly 24" from 1970, and there are 14 such chambers on the Industrial Trunk Main, mostly 18" and 24", ranging in age from the late 1960's, to about 1990.

There are also 22 valve chambers which contain complex control valves (11) and check valves (11) which are key parts of the system, controlling water flow between pressure zones.

The rehabilitation of these valves usually involves the replacement of valves or valve components, or on occasion an entire valve if required. Rehabilitation of the actual chamber is not necessarily required. Often following the work, to clean the structure and component and replace corroded or broken parts, corrosion protection coatings and wraps to the pipe and fittings are applied within the chamber; labour by City forces. Full replacement of even one large diameter valve can cost a substantial portion of the allocated budget. Often this work is done in conjunction with, and in support of, other work (ie 10th St Bridge, and the Kenny Drain pond).

Attach Images: 21N.10.JPG

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Trunk Main and Valve Chamber Maintenance 21N.10

Priority Score: 56.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Failures of trunk mains can be catastrophic and even cause backflow events
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Failures of trunk watermain valves can also impact fire flows.
Legislation	Is the project required for legislative/regulatory compliance?	3	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The trunk watermain valves are priority assets
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	If trunk watermain valves do not hold, they can have serious effects as was seen during the 10th St Bridge Project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	The property owner ultimately must maintain the device after installation and this cost is, therefore, born by them.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	Watermain projects of this nature are not

Year: 2025

Collection System Capital Reinvestment 21O.1

Priority Score: 61.60

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2025	2026	2027 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			$ 700,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 0	$ 0	$ 700,000

Costs Incurred to 2024 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 700,000

Schedule:

Construction Start Date:	01/01/2025
Substantial Completion or purchase date:	12/31/2028

Funding Sources:

Waste Water Rates	$ 1,400,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	-$ 700,000

Description and Rationale:

This project is to continue with the rehabilitation of the sanitary sewer infrastructure with a focus on sanitary sewers, as well as manhole rehabilitation. This rehabilitation will be conducted through “cured in place pipe” (CIPP) technology. The city is planning to re-tender a 3 year contract to continue to rehabilitate sanitary sewer and manholes.

Attach Images:

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Collection System Capital Reinvestment 21O.1

Priority Score: 61.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This would typically affect people in the project area which is usually one block at a time. But the program is City-wide
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Sewer bypasses from collapsed sewer have resulted.
Legislation	Is the project required for legislative/regulatory compliance?	3	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan, as part of a multi-year program.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Sewer backups consume considerable public sector and private sector resources.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No
Environment	Does the project address needs impacted by climate change?	3	Wet weather flows are now more frequent; this is a somewhat relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	None
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2025

Cathodic Protection Rehab

22N.2

Priority Score: 66.10

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	30	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:	2025	2026	2027 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 275,000	$ 310,000	$ 570,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 275,000	$ 310,000	$ 570,000

Costs Incurred to 2024 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 1,155,000

Schedule:

Construction Start Date: 07/01/2023

Substantial Completion or purchase date: 08/01/2026

Funding Sources:

Water Rates	$ 1,155,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Replacement of Cathodic Protection on large diameter critical ductile iron trunk watermains. This slows/eliminates corrosion via an electrochemical process whereby the anode decays instead of the main. However, the anodes were all installed in the early 1990's and are now at the end of their useful life, as determined by a cathodic protection survey undertaken in 2013 which measured the remaining electrochemical protection. In some cases the trunk main can be cathodically protected without disturbing asphalt but in many cases some limited asphalt disturbance will be required.

The City continues to follow the multi year program to protect watermains as laid out in 2013.

Attach Images: 22N.2.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Cathodic Protection Rehab 22N.2 Priority Score: 66.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Watermain failures can affect a significant area
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Watermain breaks can damage property and result in poor water quality
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	The intent is to extend the useful life of water infrastructure
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Failure to do this could result in vastly increased watermain breaks as older watermain rots in place
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Water Rates
Environment	Does the project address needs impacted by climate change?	3	Watermain breaks can affect environment : chlorinated water in receiving water
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	Watermain Projects generally are not.

Year: 2029

SCADA Computer and Softare Upgrade WTP 22N.10

Priority Score: 62.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 70,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 70,000	$ 0	$ 0

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 70,000

Schedule:

Construction Start Date: 01/01/2027

Substantial Completion or purchase date: 04/30/2027

Funding Sources:

Water Rates	$ 70,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City's remote locations (Beattie St, East Hill Booster Station, the reservoir and the Genoe Leachate monitoring system.) require PLC upgrades due to age (20 years).

Attach Images: 22N.10.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

SCADA Computer and Softare Upgrade WTP 22N.10

Priority Score: 62.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the water source for the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Network system failures can result in SCADA failures and an inability to treat and/or pump water
Legislation	Is the project required for legislative/regulatory compliance?	4	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	Yes. The SCADA is a high priority item in the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	This will ensure reliable operation of the SCADA system. It includes some programming changes to optimize treatment, as well.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Water Rates
Environment	Does the project address needs impacted by climate change?	1	Not a direct link
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	None

Year: 2026

Clarifier Mechanical Maintenance 22O.1

Priority Score: 60.00

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 50,000		$ 50,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 0	$ 50,000

Costs Incurred to 2025 Year End $ 50,000

Impact on Operating Budget $ 0

Total Project Budget: $ 150,000

Schedule:

Construction Start Date: 05/01/2026

Substantial Completion or purchase date: 09/30/2028

Funding Sources:

Waste Water Rates	$ 150,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Clarifier Mechanical Maintenance is required on an as-needed basis as wear and tear on the components progresses, but typically significant work is required every 3 to 5 years.

Attach Images: 22O.1.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Clarifier Mechanical Maintenance 22O.1

Priority Score: 60.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	This poses a risk to proper sewage treatment.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This has been identified in the 10 year plan.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	A failure of a clarifier would decrease capacity by 25%, for an exended time while repairs are completed, which would be a concern if concurrent with high flows.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	3	Wet weather flows are now more frequent.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Process Mechanical (2026)

22O.3

Priority Score: 66.00

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 220,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 220,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 220,000

Schedule:

Construction Start Date: 04/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Waste Water Rates	$ 220,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The BAF process requires 2 small and 1 large primary effluent pump to run at high flows. Therefore when a small pump is out of service for repairs, all the required flow cannot be pumped through the BAF and a plant “Bypass” will occur blending treated effluent with primary effluent, thus not meeting our ECA requirements. To remain compliant in this situation a spare small primary effluent pump would need to be purchased to be used when one is being repaired.

The plant has 2 boilers to heat the buildings and the primary digester. One boiler burns the methane gas retrieved from the primary digester. Methane is corrosive in comparison to natural gas which in turn requires more maintenance for boilers such as fire tube replacement.

There are hundreds of valves, actuators, solenoids, and safety devices such as pressure relief and bio-gas thermal valves at the plant. Although these are maintained through the maintenance program, they are wearing items that must be rebuilt and replaced as required.

Attach Images: mech boilers.jpg; Mech BAF Pumps.jpg; mech air valves.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Process Mechanical (2026) 22O.3 Priority Score: 66.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Components to be replaced include very significant pressure relief valves on the Digester. Failure could pose a significant risk.
Legislation	Is the project required for legislative/regulatory compliance?	5	Technical Standards and Safety Act (TSSA).
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a portion of the biogas system could result in an unsafe condition, or improper operation of the boiler system and digestor failure. Air valve failure can result in failure to aerate the cell(s) which could result in secondary process failure.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not an overly relevant factor for this project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Water Distribution System New Valve Chambers 23N.4

Priority Score: 62.90

Project Type:	New Asset	**Priority Level:**	High
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	9th Ave E South of 32nd St E, 20th A

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 250,000		$ 0
Materials			
Equipment/Misc			
Contingency			
Total	$ 250,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 500,000

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 750,000

Schedule:

Construction Start Date:	01/01/2023
Substantial Completion or purchase date:	11/30/2026

Funding Sources:

Water Rates	$ 750,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Between the various Pressure Zones of the City's water distribution system, there are interconnecting valve chambers.

There are two potential valve chamber locations which are to be coordinated with new development of adjacent lands. At this time it is difficult to be sure of timing of the new development, but it considered most likely that two of these locations will be required in the short to medium term (ie, within 5 years) and a good probability that one will be required in 2025.

The locations are (1) 9th Ave East South of 32nd St East by the Soccer Complex, (2) 20th Ave East South of 16th St East, East of Home Depot

Attach Images: 23N.4.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Water Distribution System New Valve Chambers 23N.4

Priority Score: 62.90

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Proper Operation of the Valve Chambers affects the entire pressure zone
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Failure to feed between zones can lead to low pressure and backflow events and reduced fire flow
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act (specifically Adverse Condition provisions of the regulation)
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	N/A : New Assets to be coordinated with development
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Interconnecting valve chambers improve fire flows, as well as system circulation which improves chlorine residuals
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Possible Contributions from Development Charges
Environment	Does the project address needs impacted by climate change?	1	No significant Environmental Impact
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	None

Year: 2026

Process Electrical (2026)

23O.1

Priority Score: 73.90

Project Type:	Rehabilitation	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 45,000		
Contingency			
Total	$ 45,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 45,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Waste Water Rates	$ 45,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The service life of the BAF Blower VFD's will be near their end and replacements will need to be purchased and installed.

Other aging electrical equipment will need assessed and replaced, or spare parts purchased, as required.

Attach Images: Elect Blower VFDs.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Process Electrical (2026) 23O.1 Priority Score: 73.90

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	BAF Blower failure would cause a failure of the WWTP secondary process and thereby affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	If process failure led to contamination of the Bay, this could be characterized as a public health and safety risk.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The work is identified on the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	The blower and BAF cell aeration system is necessary for secondary plant performance.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	2	Necessary work is required to ensure uninterrupted wastewater treatment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Process Electrical (2026)

23O.1

Priority Score: 73.90

Project Type:	Rehabilitation	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 45,000		
Contingency			
Total	$ 45,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 45,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Waste Water Rates	$ 45,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The service life of the BAF Blower VFD's will be near their end and replacements will need to be purchased and installed.

Other aging electrical equipment will need assessed and replaced, or spare parts purchased, as required.

Attach Images: Elect Blower VFDs.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Process Electrical (2026) 23O.1 Priority Score: 73.90

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	BAF Blower failure would cause a failure of the WWTP secondary process and thereby affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	If process failure led to contamination of the Bay, this could be characterized as a public health and safety risk.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The work is identified on the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	The blower and BAF cell aeration system is necessary for secondary plant performance.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	2	Necessary work is required to ensure uninterrupted wastewater treatment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2025

CLI Approval Requirements

23O.6

Priority Score: 52.00

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	N/A

Cash Flow Projection:

	2025	2026	2027
Studies	$ 20,000		$ 40,000
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			
Contingency			
Total	$ 20,000	$ 0	$ 40,000

Costs Incurred to 2024 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 60,000

Schedule:

Construction Start Date:	06/01/2025
Substantial Completion or purchase date:	12/31/2027

Funding Sources:

Waste Water Rates	$ 60,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

In December 2022 the Ministry of Environment issued the City its first Consolidated Environmental Compliance Approval documents for both the Sanitary Sewage Collection System and the Storm Sewer system.

There are many implications for the system operations, maintenance, approvals, and capital planning. These were summarized in a report to the Operations Committee in March 2023.

With respect to the Sanitary requirements, there are various reports and studies required by the CLI-ECA at specific times in 2023, 2025, and 2027.

Attach Images: 23O.6.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

CLI Approval Requirements 23O.6 Priority Score: 52.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	The monitoring, reporting, maintenance, and capital requirements will affect the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	This is intended to enhance protection of the public health and safety.
Legislation	Is the project required for legislative/regulatory compliance?	5	Environmental Protection Act. These are requirements of the CLI-ECA.
Asset Management	Is the project a high priority for replacement in the asset management plan.	2	This will require some assessments and possibly enhancements to current infrastructure.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Regulatory requirement with operational impacts.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	3	Relevant factor for this project since the CSO's can be associated with climate change.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Leak Detection Survey

24N.5

Priority Score: 70.80

Project Type:	Rehabilitation	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Distribution System

Cash Flow Projection:	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 15,000		
Contingency			
Total	$ 15,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 15,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 15,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City undertakes a leak detection survey of the water distribution system every 3 years.

It has been established that the 3 year interval is optimal in terms of discovering new leaks in a timely manner.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Leak Detection Survey

24N.5

Priority Score: **70.80**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	The entire City distribution system is surveyed
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Leaks left undetected can fail suddenly and could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	This program has been identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a major watermain could result in loss of service to a portion of the community
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Not relevant to this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Confined Space Entry Equipment

24N.6

Priority Score: 70.40

Project Type:	Replacement	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water + Wastewater

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 10,000		
Contingency			
Total	$ 10,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 10,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 10,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City Water and Wastewater departments have confined space entry equipment, including tripod, winch, harnesses, and associated equipment. This equipment is required in order to safely enter confined spaces in accordance with the regulations.

In 2018 this equipment was standardized across the Water and Wastewater groups.

In 2029, some of the equipment will require updating.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Confined Space Entry Equipment 24N.6 Priority Score: 70.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	Water and Wastewater Staff
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Confined Space Entry, done improperly, with improper equipment, kills a number of people in Ontario yearly.
Legislation	Is the project required for legislative/regulatory compliance?	5	Occupational Health and Safety Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	Identified in Asset Management Plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Confined Space Entries will not be possible.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Not Applicable
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	Not Applicable
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not Applicable
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Digestor Bio-Solids Cleanout

24O.3

Priority Score: 66.00

Project Type:	Maintenance	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	5	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			$ 300,000
Contingency			
Total	$ 0	$ 0	$ 300,000

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 300,000

Schedule:

Construction Start Date: 07/01/2028

Substantial Completion or purchase date: 08/31/2028

Funding Sources:

Waste Water Rates	$ 300,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The digestor, with a capacity of about 2000 cubic metres receives the biosolids from the clarifiers at the WWTP, and provides additional treatment, and produces biogas, prior to being stored on site in the two storage tanks, then land applied.

Approximately every five years deletrious materials in the digestor must be cleaned out to allow for proper tank operation, especially the biosolids pumps and mixing system. Otherwise rags and other materials begin to clog those components, which could result in digestor failure.

Currently such clogging events are accelerating in frequency.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Digestor Bio-Solids Cleanout 24O.3 Priority Score: 66.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Failure of the digestor can have a significant environmental and health and safety impact.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act, Nutrient Management Act.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Failure of the digestor can mean scheduling an emergency cleanout, at significant expense, and trucking all biosolids to Lystech for treatment while the digester is down, also a significant expense.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	3	Wet weather flows are now more frequent; this is a relevant factor for this project since higher flows carry a higher debris load.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No opportunity for partnership or grant funding.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2025

Sewer Video Inspections

25O.1

Priority Score: 61.40

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2025	2026	2027
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 60,000		$ 60,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 60,000	$ 0	$ 60,000

Costs Incurred to 2024 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 120,000

Schedule:

Construction Start Date: 06/01/2025

Substantial Completion or purchase date: 12/31/2027

Funding Sources:

Waste Water Rates	$ 120,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

In 2013/14 ,the majority of the wastewater collection system was TV inspected. This information helped guide rehabilitation efforts since that time. Some annual TV inspection has been done on an ad-hoc basis yearly, but more of the system should be inspected to ensure structural integrity and to guide future rehabilitation work.

Detailed and current condition information facilitates the following:

-Ensuring rehab/replacement monies are spent in the most efficient way possible by guiding prioritization of projects, and selection of rehabilitation strategy.

-uncovers sources of extraneous flow which exacerbates potential for sewage surcharge, backups and overflows and taxes the treatment system.

Attach Images: 25O.1.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Sewer Video Inspections 25O.1 Priority Score: 61.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	The TV Inspection area will be a significant portion of the City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	This is intended to enhance protection of the public health and safety by ensuring poor condition assets are monitored and/or replaced,ultimately reducing occurrences of sewage blockages and overflows.
Legislation	Is the project required for legislative/regulatory compliance?	5	Environmental Protection Act. Will ensure environmental approval compliance from MECP.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This work will guide future replacement and rehabilitation, by providing detailed condition data for asset management purposes.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Operational Improvements have been realized via system rehab, ie manhole benching. By targeting asset rehabilitation on areas with high inflow and infiltration, system capacity and performance can be improved.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	2	Relevant factor for this project since flows can be associated with climate change, and reducing I/I will render the infrastructure more resilient to climate change-induced storm and snowmelt events.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2025

9th Avenue East - 20th St E to 23rd St "A" E

25P.12

Priority Score: 74.10

Project Type:	Replacement	**Priority Level:**	Very High
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	Road - 50 yrs, Underground Servic	**Staff Contact:**	Chris Webb
Future Replacement Cost:		**Location/Coordinates:**	9th Ave East - 20th St E to 23rd St "A

Cash Flow Projection:

	2025	2026	2027
Studies			
In House Engineering	$ 30,000	$ 30,000	$ 30,000
Design or Engineering	$ 350,000	$ 350,000	$ 797,000
Communication / Signage		$ 5,000	$ 5,000
Construction / Contractor			$ 8,144,875
Materials			
Equipment/Misc			
Contingency			
Total	$ 380,000	$ 385,000	$ 8,976,875

Costs Incurred to 2024 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 9,741,875

Schedule:

Construction Start Date: 05/30/2027

Substantial Completion or purchase date: 11/30/2027

Funding Sources:

Grant	$ 4,559,305
Water Rates	$ 613,265
Development Charges	$ 211,550
OCIF Formula	$ 4,061,780
Reserves	$ 295,975
Capital Reserve	$ 0

Description and Rationale:

The budget in 2025 and 2026 includes Engineering design and approvals to be completed by a Consulting Engineer for engineering services related to the full scope of the reconstruction and upgrading of 9th Avenue East road and sidewalk infrastructure from 20th Street East (including intersection improvements) to 23rd Street "A" East as well as other required existing storm water management infrastructure upgrades. Note: The budget cost estimate does not include traffic signals installation at the 20th St E intersection, if warranted. The Consulting Engineer will be retained by to mid-2025 with design and approvals completed in 2026 to allow for tendering in early 2028, should the City be successful in obtaining Housing Enabling Core Servicing Stream grant funding, anticipated to be 50% of road and road related eligible costs.

This project's scope (tentatively planned for 2027 construction) is as follows:
1. Reconstruct 9th Avenue East from 20th St E to 23rd St E to the approved collector road cross-section including two vehicle lanes, two bike lanes (no on-street parking), concrete curb and gutter, concrete sidewalk on both sides of the road and potential upgrading of street lighting (not included in budget estimate).
2. Upgrade the 9th Ave E/20th St E and 9th Ave E/23rd St E intersections to improve traffic control, pedestrian use/accessibility and cycling facility.
3. Replace 175 m of existing AC Industrial Pressure Zone (IPZ) watermain from 20th St E to 21st St E and 160 m of existing AC IPZ watermain south of 23rd St E (intervening watermain was replaced in 2022).
4. Upgrade the storm sewer on 9th Ave E from 23rd St E to 23rd St "A" E.
5. Upgrade the storm sewer on 8th Ave E from Odawa Heights to 21st St E.
7. Construct temporary storm water infiltration trench, if required, on 23rd St E, west of 8th Ave E. Alternatively, construct storm sewer on 23rd St E from 8th Ave E, westerly, then southerly along 6th Ave W to the existing road terminus, at developer's expense (as part of a subdivision development) with City to pay storm sewer oversizing cost. Note: The budget cost estimate does not include this cost as it is unknown which alternative will be available at the time of construction.
8. Construct a concrete sidewalk on 8th Ave E - 20th St E to 23rd St E.
There is $20,000 required in 2028 and $20,0000 in 2029 for maintenance period administration cost (included in 2027 figures) to bring the total project budget to $7,740,000.

Attach Images: 25P.12.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

9th Avenue East - 20th St E to 23rd St "A" E 25P.12

Priority Score: 74.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This project will impact commuters, schools near 9th Ave E and local residents combined. It will also enable new housing units in the East Hill Bluffs Planning Area under the City's Official Plan.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Road is in poor condition and lacks City infrastructure such as sidewalk, bike lanes, curbs, gutters and storm sewers to improve road safety. Multiple injuries may result.
Legislation	Is the project required for legislative/regulatory compliance?	4	Project completion ensures the City is in compliance with legislation for minimum maintenance and accessibility standards.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	Road surface is identified for replacement. It has failed and should have safer road cross section with AODA sidewalks. Moderate consequences resulting.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Major improvements to operational performance would be achieved with the completion of this project in terms of road repairs, water main repairs and localized drainage. Financial savings will be achieved once project is completed.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	Housing Enabling Core Servicing Stream funding at 50% or eligible road and road related costs is assumed to allow this project to proceed in the noted timeline.
Environment	Does the project address needs impacted by climate change?	2	Storm water infrastructure will be improved and prevent further detriment. Improved road with bike lanes and sidewalks will result in reduced emissions.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project maintains an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	Improving road condition has been identified in the Strategic Plan to improve the road's PCI.
Public Input	Has the project been identified through public engagement?	2	This project has been mentioned informally through public engagements. Specifically local residents and developers and an approved cross-section has been adopted.

Year: 2025

16th St E Pedestrian Tunnel Rehabilitation 25P.13

Priority Score: 58.20

Project Type: Rehabilitation
Growth Related?: No
Estimated Useful Life (years): 50

Priority Level: High
Department: Public Works and Engineering
Staff Contact: Chris Webb

Cash Flow Projection:	2025	2026	2027 +
Studies			
In House Engineering			$ 6,000
Design or Engineering	$ 48,545	$ 48,545	$ 86,293
Communication / Signage			
Construction / Contractor			$ 1,122,246
Materials			
Equipment/Misc			
Contingency			$ 167,192
Total	$ 48,545	$ 48,545	$ 1,381,731

Costs Incurred to 2024 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 1,478,821

Schedule:

Construction Start Date: 05/01/2027

Substantial Completion or purchase date: 11/30/2027

Funding Sources:

Tax Levy	$ 159,282
Grant	$ 1,325,539
Please Select	
Please Select	
Please Select	
Capital Reserve	

Description and Rationale:

This pedestrian tunnel is for the multi-use Grey County CP Rail Trail but also serves as the culvert for a 100 year storm event in the West Telfer Creek Branch water course. There is a low-flow storm water culvert east of this location as well. The pedestrian tunnel is showing signs of water and chlorides (from road salt) penetration resulting in concrete spalling in the tunnel soffit (ceiling).

The 2024 updated Inspection Report indicates that this tunnel requires a new membrane to be installed on top of the structure together with repairs to the deteriorated sections of the tunnel. A significant portion of the rehabilitation cost may be related to management of traffic for Highway 26/16th St E during construction, depending on the type of repair/rehabilitation. During the design phase of the project, other repair or rehabilitation techniques will be investigated.

Engineering design and approvals would be completed in 2025/2026 with construction planned in 2027.

As this structure is on the Highway 26 Connecting Link, engineering design, construction and project administration costs may be eligible for up to 90% Connecting Link (CL) grant funding, to a project maximum eligible cost of $3,000,000. Please note that in-house staff costs are not funding eligible. Once the repair and rehabilitation technique is identified and designed, a detailed construction cost estimate can be prepared. A submission for CL funding has been submitted to MTO based on the preliminary estimate indicated on this project detail sheet. It is noted that the project construction cost identified is very preliminary and is subject to the selection of an appropriate rehabilitation technique. The project may be delayed, subject to receiving CL grant funding. 10% of the total eligible costs plus all In-house Engineering (City staff) costs are the City's responsibility.

An application has been submitted for Intake 10 Connecting funding starting in 2025 through 2027 inclusive (with all eligible costs submitted by 31 March 2028).

Attach Images: 16th St E Pedestrian Tunnel.PNG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

16th St E Pedestrian Tunnel Rehabilitation 25P.13 Priority Score: 58.20

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This trail is used in all seasons for hiking, running, cycling and snowmobiling. This structure also is supporting the 16th St E road.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	The level of risk is increasing for health and safety leading to possible injury.
Legislation	Is the project required for legislative/regulatory compliance?	4	Inspection of bridges and Culverts (tunnel) are legislatively required bi-annually.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This asset is showing signs of failure and delayed maintenance may cause increased costs in the future. This tunnel also supports storm water and waste water (trunk sewer) infrastructure.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	This project will provide little improvement to operational performance.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	4	This project may be eligible for future Connecting Link funding (Highway 26).
Environment	Does the project address needs impacted by climate change?	1	This project has little to no impact on the natural environment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	4	This project will maintain the safe use of a public trail and a vital Arterial Road (Highway 26/16th St E).
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	This project will have little aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project will help support a core service delivery
Public Input	Has the project been identified through public engagement?	2	This project has been mentioned in terms of the current state of the tunnel's condition verbally by the public

Year: 2026

Public Works Shop Radiant Heater Replacement

26M.5

Priority Score: **26.10**

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	15	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$88,600	**Location/Coordinates:**	1900 20th St. E.

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 54,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 54,000	$ 0	$ 0

Costs Incurred to 2025 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 54,000

Schedule:

Construction Start Date: 07/01/2026

Substantial Completion or purchase date: 08/30/2026

Funding Sources:

Tax Levy	$ 54,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The existing radiant heating system at the Public Works storage building is scheduled for replacement. The City will be undertaking a heater replacement program at multiple facilities with the intent that new equipment will reduce annual energy consumption and costs, while providing similar or improved output for facility users.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Public Works Shop Radiant Heater Replacement 26M.5

Priority Score: 26.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	The radiant heating system supports the staff that utilize the storage bays of the PW work shop.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There are no health and safety issues at this time.
Legislation	Is the project required for legislative/regulatory compliance?	1	There are no known legislative/regulatory compliance requirements associated with the replacement of the equipment
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	There is a moderate probability of failure with a low consequence of failure with the assumption that equipment is readily available.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	There will be a slight improvement on operational efficiency through reduced energy consumption. This will be confirmed once the proper equipment has been selected.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	The project may be eligible for a grant once the annual consumption and proposed equipment has been confirmed.
Environment	Does the project address needs impacted by climate change?	2	There will be a slight improvement to the environment through the potential change from fossil fuel powered equipment to cleaner sources.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	The project has no aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports the delivery of core services through ensuring that an adequate facility portfolio is maintained in order to deliver services out of them.
Public Input	Has the project been identified through public engagement?	0	This project has not been identified through public feedback.

Year: 2026

Public Works Building Roof Section 1 Replacement

26M.6

Priority Score: **23.40**

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	25	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$586,250	**Location/Coordinates:**	1900 20th St. E.

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 385,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 385,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 385,000

Schedule:

Construction Start Date: 06/01/2026

Substantial Completion or purchase date: 06/30/2026

Funding Sources:

Tax Levy	$ 385,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Roof Section 1 is over the equipment storage facility and was installed in 1990 during the construction of the public works facility. The roof section was restored in 2014 and is under warranty until 2024.

The City's roof inspection consultant has recommended replacement after the warranty period has expired based on the lifecycle deterioration and some minor ongoing issues.

It is anticipated that the roof will be replaced alongside the replacement of Roof Section 2.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Public Works Building Roof Section 1 Replacement	26M.6	Priority Score:	23.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	With the exception of Household Hazardous Waste events, the equipment storage facility is accessed by public works staff only.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There is no impact on health and safety unless the roof deteriorates to the point that there is leakage and structural weakening.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	There is a moderate probability of failure based on the lifecycle and other deterioration.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	There will be a slight improvement on operational efficiency by reduced maintenance related repairs.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	No opportunity for partnership or grant funding.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on the environment as a result of this project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Public Works Building Roof Section 2 Replacement

26M.7

Priority Score: **23.40**

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	25	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$408,300	**Location/Coordinates:**	1900 20th St. E.

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 264,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 264,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 264,000

Schedule:

Construction Start Date: 06/01/2026

Substantial Completion or purchase date: 06/30/2026

Funding Sources:

Tax Levy	$ 264,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Roof Section 2 is over the administrative area of the facility and was installed in 1990/2003 during the construction/renovation of the public works facility. The roof section was restored in 2014 and is under warranty until 2024.

The City's roof inspection consultant has recommended replacement after the warranty period has expired based on the lifecycle deterioration and some minor ongoing issues.

It is anticipated that the roof will be replaced alongside the replacement of Roof Section 1.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Public Works Building Roof Section 2 Replacement	26M.7	Priority Score:	23.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	With the exception of limited visitors to the front counter, the equipment storage facility is accessed by public works staff only.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There is no impact on health and safety unless the roof deteriorates to the point that there is leakage and structural weakening.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	There is a moderate probability of failure based on the lifecycle and other deterioration.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	There will be a slight improvement on operational efficiency by reduced maintenance related repairs.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	No opportunity for partnership or grant funding.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on the environment as a result of this project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Public Works Building Roof Section 3 Replacement

26M.8

Priority Score: 23.40

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	25	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$62,800	**Location/Coordinates:**	1900 20th St. E.

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 44,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 44,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 44,000

Schedule:

Construction Start Date: 06/01/2026

Substantial Completion or purchase date: 06/30/2026

Funding Sources:

Tax Levy	$ 44,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Roof Section 3 is over the equipment storage area of the facility and was installed in 1990 during the construction of the public works facility. The roof section was restored in 2014 and is under warranty until 2024.

The City's roof inspection consultant has recommended replacement after the warranty period has expired based on the lifecycle deterioration and some minor ongoing issues.

It is anticipated that the roof will be replaced alongside the replacement of Roof Section 1&2.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Public Works Building Roof Section 3 Replacement	26M.8	Priority Score:	23.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	Roof Section 3 of facility is accessed by public works staff only.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There is no impact on health and safety unless the roof deteriorates to the point that there is leakage and structural weakening.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	There is a moderate probability of failure based on the lifecycle and other deterioration.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	There will be a slight improvement on operational efficiency by reduced maintenance related repairs.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	No opportunity for partnership or grant funding.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on the environment as a result of this project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2026

Water System Model Update & Training 26N.1

Priority Score: 59.60

Project Type:	Enhancement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 15,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 15,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 15,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 15,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City's Engineering Department maintains a working computer model of the water distribution system

This is typically used to assess the impact of proposed changes, whether permanent, or temporary due to construction.

It is an invaluable too, but requires updates as the water system, and software, changes.

Attach Images: water model.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Water System Model Update & Training 26N.1

Priority Score: 59.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Accurate modeling of the water system is important to ensure the impact of changes on fire flows in the City are understood.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	There is some probability of a modeling error resulting in an issue with fire flows.
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	A failure to accurately assess fire flows can result in mischaracterization (ie colour coding) of individual hydrants, which could cause the fire department to select the "wrong" hydrant.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Condition Assessment Municipal Reservoir 26N.2

Priority Score: 73.30

Project Type:	Study	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	8	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Municipal Reservoir 8th St

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 20,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 20,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 20,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 20,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

As per the City's DWQMS Operational Plan, the reservoir is due for inspection every 8 years. This is completed using a remotely operated vehicle to inspect the inside of the reservoir, without having to drain it.

The walls, columns, and floor are inspected for any abnormalities and a report is provided on the overall condition.

Attach Images: Res 1.jpg; Res 2.jpg; Res 3.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Condition Assessment Municipal Reservoir 26N.2

Priority Score: 73.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the primary water reservoir which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	If failure led to contamination of the drinking water this could be characterized as a serious public health and safety risk.
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The work is identified on the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Reservoir issues resulting in low chlorine residual or high turbidity could result in Boil Water Advisories
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Valve Replacements 2026

26N.3

Priority Score: 64.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 40,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 40,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 40,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 40,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

There are a number of valves and components associated with valves such as actuators in the water plant that range in size and age from fairly new to 55 years old (original).

For proper operation of the plant, these valves need to open and close on a very frequent basis, to prevent backflow, control flow or pressure for proper operation of the plant process. Valve replacements usually are incorporated into larger scale projects such as piping rehabilitation or can be isolated to a particular pipe.

Attach Images: Valve 1.jpg; Valve 2.jpg; Valve 3.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Valve Replacements 2026 — 26N.3 — Priority Score: 64.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Valve failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Failure of a significant valve in the water treatment plant could reduce water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Piping Rehabilitation WTP 2026

26N.4

Priority Score: 68.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 250,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 250,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 250,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 250,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Due to aging piping in the facility, including original piping from the late 1960's, there are a number of pipes that are rusting to the point of needing replacement.

Repainting has been considered in the past, but is not an option due to lead content in the paint which would require full lead paint abatement removal job, an expensive option for old pipe. Additionally wall thickness of the older pipe has become reduced by long term corrosion.

Replacement with stainless steel piping is therefore the preferred option.

Recall that several stainless piping upgrades have been completed in the past under different projects in 2005, 2013 (emergency repair), and 2020.

Attach Images: piping 1.jpg; piping 2.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Piping Rehabilitation WTP 2026 26N.4

Priority Score: 68.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Pipe failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a major piping system in the water treatment plant would be a designated emergency and could stop water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Instrumentation Replacement

26N.5

Priority Score: 64.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 30,000		$ 30,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 30,000	$ 0	$ 30,000

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 60,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 60,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Instrumentation within the facility ranges from computer related components to analog input/output cards, digital input and output cards, PLC processors, network cards, network cabling, fibre optics, power supplies, relays, and backup power (UPS).

These devices are important for meeting regulatory requirements and keeping equipment within its lifecycle is critical. To change out everything at the same time can be a challenge, so staged approaches to change out components is a preferred option. The main Plant PLC was upgraded in 2012, including a number of associated components. For the continued ongoing success with the computer architecture, these components will need to be replaced as needed.

Attach Images: Instrumentation.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Instrumentation Replacement 26N.5 Priority Score: 64.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Instrumentation failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Failure of a significant instrument could reduce water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Pump Control Replacements

26N.6

Priority Score: 68.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 200,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 200,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 200,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 200,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

When pumps are called to start, there are three ways this can happen; one is "across the line", which means the motor starts immediately at full 600 Volt, and instantly goes to full speed, the second is a Soft Start, which slowly increases the pump to 100% speed, and shuts it down in the same fashion, then there are Variable Frequency Drives (VFD's) that can run in a range between minimum and maximum speed during operation. VFD's are by far the most efficient energy-users, and also are much easier on a piping system (ie water hammer)

Some of the pump control systems still require some upgrades to either Soft Starts or Variable Frequency Drives. These pump control systems offer electrical protection to the starter and the motor and help prolong the life of the motor.

Attach Images: pump control.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Pump Control Replacements 26N.6 Priority Score: 68.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Pipe failure due to water hammer could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a major piping system in the water treatment plant would be a designated emergency and could stop water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Repalcement Sluice Gates 2026

26N.7

Priority Score: 68.80

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 350,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 350,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 350,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 350,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Sluice gate valves are used generally for isolation of large treated or raw water wells. These valves are normally bolted to a divider wall between two wells, and only closed for maintenance or inspection purposes.

The sluice gates all through the plant are original (late 1960's), except for one that was replaced in 2020, which was the main valve that allows water into the plant from Georgian Bay. These valves have exceeded their expected useful life and should be replaced on a priority basis.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Repalcement Sluice Gates 2026 26N.7

Priority Score: 68.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Sluice gate failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a sluice gate in the water treatment plant would be a designated emergency and could stop water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

WTP Building Condition Assessment Implementation 26N.8

Priority Score: 60.90

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	10-25 Years	**Staff Contact:**	Manager of Water and Wastewater
Future Replacement Cost:	Varies	**Location/Coordinates:**	

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 340,000	$ 340,000	$ 340,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 340,000	$ 340,000	$ 340,000

Costs Incurred to 2025 Year End

Impact on Operating Budget $ 0 $ 0 $ 0

Total Project Budget: $ 1,020,000

Schedule:

Construction Start Date:

Substantial Completion or purchase date:

Funding Sources:

Water Rates	$ 1,020,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The 2024 building condition assessment identified approximately $3 Million in non-treatment facility component rehabilitation or replacements over the next 5 years. The 2026 to 2028 period will address electrical and building envelope issues, and will include the transformer replacement project that commenced in 2022.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

WTP Building Condition Assessment Implementation	26N.8	Priority Score:	60.90

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Pipe failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	The failure of electrical equipment, especially the transformer, is both a high risk of failure and a high consequence.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	There will be be a slight impact on operational efficiencies as a result of the project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	The project will be funded through reserves.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no enviromental changes.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project maintains an existing city asset.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	There is little aesthetic value as the majority of the work is within the existing facility.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports the core delivery of services.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2026

Process Structural Esp Clarifiers 26O.1

Priority Score: 73.30

Project Type:	Rehabilitation	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 150,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 150,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 150,000

Schedule:

Construction Start Date: 04/01/2026

Substantial Completion or purchase date: 11/30/2026

Funding Sources:

Waste Water Rates	$ 150,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Clarifiers 1&2 were constructed in 1962, and 3&4 in 1976. Little work has been done in the past to maintain these structures.

Remediation is required for concrete, expansion joints and safety railings.

Attach Images: Struct1.jpg; struct2.jpg; strcut3.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Process Structural Esp Clarifiers 26O.1

Priority Score: 73.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Structural issues with the hand railings could pose significant risk for staff
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Clarifier Failure would jeopardize the entire treatment process
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	2	Necessary work is required to ensure uninterrupted wastewater treatment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

Sanitary Sewer Tracked Camera 26O.2

Priority Score: 59.30

Project Type:	New Asset	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	20	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 60,000		
Contingency			
Total	$ 60,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 60,000

Schedule:

Construction Start Date: 04/01/2026

Substantial Completion or purchase date: 11/30/2026

Funding Sources:

Waste Water Rates	$ 60,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Small sanitary sewer tracked cameras are becoming more economical and their capabilities continue to increase.

Historically when sewer issues require troubleshooting, the operators retain a third party to bring in a tracked camera.

(The City has a sewer camera but it is a camera with a push cable, only suitable for laterals and very short main inspections.)

Having this capacity in house would decrease the third party costs, and improve the ability to immediately troubleshoot issues such as sewer backups.

Attach Images: deep trekker.jpg; deep trekker 2.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Sanitary Sewer Tracked Camera 26O.2

Priority Score: 59.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Sewer backups can adversely affect one or more households at a time.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Sewer backups are a serious health risk to homeowners.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	N/A New Asset
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Increased time to diagnose sewer emergencies in some cases
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2026

8th St E Multi-Use Path & Lighting 26P.3

Priority Score: 47.40

Project Type:	New Asset	**Priority Level:**	Moderate
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$1,973,000 (2077)	**Location/Coordinates:**	8th St E - 11th Ave E to 20th Ave E

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering	$ 2,000	$ 2,000	
Design or Engineering	$ 38,000	$ 18,000	$ 10,000
Communication / Signage			
Construction / Contractor		$ 380,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 40,000	$ 400,000	$ 10,000

Costs Incurred to 2025 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 450,000

Schedule:

Construction Start Date: 04/05/2027

Substantial Completion or purchase date: 11/26/2027

Funding Sources:

Please Select	
Debenture	$ 450,000
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Grey County Transportation Services is planning to construct 8th Street East/Grey Road 5 in 2027 to a full urban cross-section (south side). This is related to the Flato - Greystone Village Subdivision and Redhawk - 8th Street (East) Subdivision developments.

For the City's part, this project involves having a new multi-use path (3 m wide paved Active Transportation Route) constructed on the south side of 8th Street East from 11th Avenue East to 20th Avenue East, a distance of approximately 1200 m. Upgrading the existing street lighting is included in the scope of the project.

Approximately 88% of the City's costs will be included in the subdivision agreements and will be recovered from the developers (indicated as "Donations"), except for the 150 m segment from 11th Street East to the Greystone Village Subdivision west property line. This portion will be funded by the City and potentially recovered from the redevelopment of the corresponding property.

Attach Images: 8th St E Multi Use Path.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

8th St E Multi-Use Path & Lighting 26P.3

Priority Score: 47.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	This project will support active transportation for the new upcoming developments (Red Hawk & Flato).
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Serious injuries or death may occur due to pedestrian or cyclist use of the south side of the road if this multi use path does not proceed.
Legislation	Is the project required for legislative/regulatory compliance?	4	This project is required to continue to be compliant by including pedestrian and cyclist facilities for new residential development.
Asset Management	Is the project a high priority for replacement in the asset management plan.	0	This project is a new asset and therefore not included in an asset management plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	0	This project will require additional operational resources
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	The developers are responsible for constructing this multi-use path fronting their properties. The City will be responsible for the cost of the western segment of the path.
Environment	Does the project address needs impacted by climate change?	1	This project will have minor beneficial effect on the environment as a result of the project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	This project will have minor impact on public users
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	4	During the design of this project the street scape will be reviewed and concideration for planting bulovard trees will be looked at to increase the asthetic's of the road
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery
Public Input	Has the project been identified through public engagement?	3	This project has not been identified by the public but will be as part of public engagement through the subdivision approval process.

Year: 2026

2nd Ave W/Grey Road 1 - 10th St W to 14th St W (675 m)

26P.4

Priority Score: 53.70

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$2.5 M (2077)	**Location/Coordinates:**	2nd Ave W - 10th St E to 14th St E

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering	$ 3,000	$ 5,000	
Design or Engineering	$ 52,000	$ 45,000	$ 15,000
Communication / Signage			
Construction / Contractor		$ 500,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 55,000	$ 550,000	$ 15,000

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 620,000

Schedule:

Construction Start Date:	05/03/2027
Substantial Completion or purchase date:	11/26/2027

Funding Sources:

Tax Levy	$ 15,000
OCIF Formula	$ 605,000
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Grey County Transportation Services plans to reconstruct or rehabilitate 2nd Avenue West (Grey Road 1) from 10th Street West to 14th Street West in 2027. Improvements such as constructing new or extending existing turning lanes may be included in the project scope, where possible.

The City's underground infrastructure is generally in good condition, with most infrastructure having been constructed in the 1980s and 1990s, and does not require replacement. There may be some minor improvements required such as water valve replacements or rehabilitation and sanitary sewer repairs, which will be at the City's cost. These costs are not included at this time as the extent of the replacement work is unknown. This will be assessed when the project Engineering is undertaken in 2026.

Replacement of curb and gutters is expected together with catch basins that will have to be rehabilitated or replaced, at the County's cost, although there may be some cost sharing with the City. Storm sewer replacement is not planned.

As the County may be fully reconstructing the road, it may be necessary to replace all of the sidewalks, especially on the west side where the sidewalk is curbfaced. The sidewalks are generally in good condition at the present time, therefore there will be consideration to avoid replacing sidewalk where possible. The cost shown for construction in 2027 is a very preliminary estimate for sidewalk and storm water infrastructure that may be replaced, at the City's cost. There will be further project scope refinement to determine City and County responsibility.

Attach Images: 2nd Ave W 10thst - 14th St.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

2nd Ave W/Grey Road 1 - 10th St W to 14th St W (675 m) **26P.4** **Priority Score: 53.70**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This section of road has a traffic count of approximately 5,100 AADT
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Minor trips and fall may result due to the sidewalk condition
Legislation	Is the project required for legislative/regulatory compliance?	4	This project is required to continue to be compliant under minimum maintenance standards
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The assets in this road are reaching their useful life and should be replaced before they have multiple failures.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	This project will have slight operational operational efficiencies due to the underground infrastructure being replaced.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	This project will be coordinated with the County reconstruction so the road portion would be covered by the County.
Environment	Does the project address needs impacted by climate change?	1	This project will have little or no impact on environment as a result of the project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	This project will have no direct impact on public users
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	4	During the design of this project the street scape will be reviewed and concideration for planting bulovard trees will be looked at to increase the asthetic's of the road
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery
Public Input	Has the project been identified through public engagement?	1	This project has been mentioned by unsolicited feedback regarding the sidewalk condition on this section of road.

Year: 2026

Pedestrian/School Crossing - 9th Ave E at 15th St "A" E

26P.5

Priority Score: 46.20

Project Type:	New Asset	**Priority Level:**	Moderate
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:		**Location/Coordinates:**	9th Ave E at 15th St "A" E

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering	$ 4,000		
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 46,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 0	$ 0

Costs Incurred to 2025 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 50,000

Schedule:

Construction Start Date:	03/25/2026
Substantial Completion or purchase date:	12/31/2026

Funding Sources:

Tax Levy	$ 50,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This project involves installing an improved school/pedestrian crossing for 9th Avenue East at 15th Street "A" East. The goal of the project is to improve driver awareness and pedestrian safety at this supervised school crossing.

The improvements will include the installation of rapid flashing signals, upgraded signage and road markings and possibly a reduced speed zone during school crossing hours, if technically warranted.

This would be a similar project to the 10th St W & 6th Ave W school crossover upgrade in 2025.

Attach Images: 25P.3.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Pedestrian/School Crossing - 9th Ave E at 15th St "A" E **26P.5** **Priority Score:** **46.20**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	This project will provide improved safety for pedestrians, students, crossing guards and drivers.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Serious injuries may occur due to the high volume of traffic during the periods of student pedestrian crossing activity and conditions.
Legislation	Is the project required for legislative/regulatory compliance?	4	This project will ensure the City remains compliant with legislation.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	This will enhance an existing asset.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Slight impact on operational efficiency and effectiveness.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	No opportunity for partnership or grant funding.
Environment	Does the project address needs impacted by climate change?	1	This project will not address needs impacted by climate change.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project will maintain an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This projects supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	Has been mentioned informally through public engagements.

Year: 2026

5th Avenue East (RW-4) - 700 block - east side

26P.7

Priority Score: 44.20

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	80	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$4M (2107)	**Location/Coordinates:**	725 5th Avenue East

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering	$ 5,000	$ 5,000	
Design or Engineering	$ 70,000	$ 25,000	
Communication / Signage			
Construction / Contractor		$ 370,000	$ 10,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 75,000	$ 400,000	$ 10,000

Costs Incurred to 2025 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 485,000

Schedule:

Construction Start Date:	05/31/2026
Substantial Completion or purchase date:	11/30/2026

Funding Sources:

Tax Levy	$ 485,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This projects involves replacement of this retaining wall. It is constructed with stone and mortar and is typical of many former retaining walls in the City that have been replaced.

The April 2021 Retaining Walls inspection report recommended that this wall should be replaced in 6 to 10 years (2026 to 2030).

A section of the wall has started to lean into the roadway and a large vertical crack has opened in the mortar where the section begins to lean. Mortar is crumbling throughout the wall. The maximum wall height is 1.1m and the wall is retaining soil.

The cost indicated in 2028 is for administration of the maintenance period in 2028 and 2029.

Attach Images: 5th Ave E Retaining Wall (700 Block).JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

5th Avenue East (RW-4) - 700 block - east side **26P.7** **Priority Score:** **44.20**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	This retaining wall will affect traffic on a low volume local road. It is supporting soils and a residential driveway fronting 735 5th Ave E.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Major injuries may result (minor car accidents due to the retaining wall proximity to the adjacent travel lane)
Legislation	Is the project required for legislative/regulatory compliance?	4	This project will continue to keep us in compliance from good engineering design.
Asset Management	Is the project a high priority for replacement in the asset management plan.	2	Some signs of failure are showing (cracking) and should allow this retaining wall to be replaced.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	This retaining wall replacement may allow for more effective snow plowing since snow storage will be considered in the redesign of this wall
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	Currently there is no opportunity for grant funding
Environment	Does the project address needs impacted by climate change?	1	This project will have little or no impact on environment
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	This project will have no direct impact on public users
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	3	This project will be subject to a heritage review regarding the cultural significance of this retaining wall. The wall's rustic appearance, while possibly having cultural heritage value, is becoming a visual as well as structural liability.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	0	This project is not directly aligned to the strategic plan
Public Input	Has the project been identified through public engagement?	0	This project has not been identified by the public

Year: 2026

East OS Master Servicing Study Update (Sydenham Hts. Ph. 1 & 2) **26P.8** **Priority Score: 21.10**

Project Type:	Study	**Priority Level:**	Moderate
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	25	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$410,151 (2061)	**Location/Coordinates:**	South-east Quadrant of City

Cash Flow Projection:

	2026	2027	2028
Studies	$ 245,000		
In House Engineering	$ 5,000		
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			
Contingency			
Total	$ 250,000	$ 0	$ 0

Costs Incurred to 2025 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 250,000

Schedule:

Construction Start Date:	06/01/2026
Substantial Completion or purchase date:	12/30/2026

Funding Sources:

Tax Levy	$ 83,000
Water Rates	$ 83,500
Waste Water Rates	$ 83,500
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City had the East Owen Sound Master Servicing Study (EOSMSS) completed in 2007. The purpose of the study was to provide a master plan and identify servicing plans to meet the demands of growth and development in the Sydenham Heights Phase 1 and 2 (Official Plan - Secondary Plans) Service Area.

The EOSMSS provides guidance to City Planning and Engineering staff and developers as to how and where water, waste water and storm water services are to be provided.

As this area has experienced growth and development and a number of the recommended servicing construction and upgrading projects have been completed, the study should be updated to reflect the improvements, refine the plans and provided updated strategies and techniques to further guide and inform the City's development process in this area.

The terms of reference for the updated study will include climate change adaptation measures and recommend best practice designs for resilient infrastructure.

Attach Images: East OS Master Servicing Study Update (Sydenham Hts. Ph. 1 & 2).JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

East OS Master Servicing Study Update (Sydenham Hts. Ph. 1 & 2) **26P.8** **Priority Score:** **21.10**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	This study update will review the key growth and development areas of the City and provide guidance for future continuing development in the Sydenham Heights Phase 1 and 2 areas.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There is no impact on health and safety
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory compliance requirement for completing this study
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	This will be an update to the existing East Side Master Servicing Study
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	This will have little or no effect on current operations
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	These types of studies are eligible for Development Charge calculations and revenue funding.
Environment	Does the project address needs impacted by climate change?	2	This project will provide a minor benefit for the environment by informing best design practices for storm water management (SWM) and the construction of adaptable and resilient SWM infrastructure for the development process.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	This project will have no direct impact on public users
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	This project has no aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery regarding growth within the City
Public Input	Has the project been identified through public engagement?	0	This project has not been identified by the public

Year: 2026

20th Street East Culverts (OS-10) - West of 28th Ave E

26P.9

Priority Score: 40.60

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	80	**Staff Contact:**	Chris Webb
Future Replacement Cost:		**Location/Coordinates:**	20th St E Culverts - West of 28th Ave

Cash Flow Projection:

	2026	2027	2028
Studies			
In House Engineering	$ 5,000	$ 5,000	$ 1,000
Design or Engineering	$ 95,000	$ 40,000	$ 9,000
Communication / Signage			
Construction / Contractor		$ 675,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 100,000	$ 720,000	$ 10,000

Costs Incurred to 2025 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 830,000

Schedule:

Construction Start Date:	06/28/2026
Substantial Completion or purchase date:	08/27/2027

Funding Sources:

Tax Levy	$ 830,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This dual culvert under 20th Street East has reached the end of its useful service life.

The Engineering design will be completed in 2026 for construction planned in 2027 estimated at $675,000.

The costs indicated in 2028 are for the administration of the two-year maintenance period in 2028 and 2029.

Attach Images: 24P.5.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

20th Street East Culverts (OS-10) - West of 28th Ave E	26P.9	Priority Score:	40.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	This project will impact a small number of residents
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	This culvert is in poor condition and is in need of replacement.
Legislation	Is the project required for legislative/regulatory compliance?	4	The City has minimum maintenance standards it is required to meet. Structure is critically deficient. It must be replaced (closing/removal not practical).
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	Culvert replacement is identified in our Asset Management Plan this project has high probability of failure with moderate consequences.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	This project will have little to no impact on operational performance
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	Tax revenue would be finding this project
Environment	Does the project address needs impacted by climate change?	3	The culvert is undersized and this may cause increased flooding. The project will prevent further detriment due to climate change.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	4	This project will maintain an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Some aesthetic value by rehabilitating a deteriorating asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	0	This project does not help meet a key result in the strategic plan.
Public Input	Has the project been identified through public engagement?	0	This project has not been identified through public feed back

Year: 2027

Public Works Shop HWH Replacement 27M.3

Priority Score: 29.50

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	15	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$23,400	**Location/Coordinates:**	1900 20th St. E.

Cash Flow Projection:	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 15,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 15,000	$ 0	$ 0

Costs Incurred to 2026 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 15,000

Schedule:

Construction Start Date:	04/01/2027
Substantial Completion or purchase date:	04/30/2027

Funding Sources:

Tax Levy	$ 15,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The existing hot water heater (HWH) at the Public Works is scheduled for replacement. The City will be undertaking a HWH heater replacement program at multiple facilities with the intent that new HWH units will reduce annual energy consumption and costs.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Public Works Shop HWH Replacement 27M.3

Priority Score: 29.50

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	1	Hot water is available to staff and the maximum amount of patrons allowed in the facility at any given time.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	While there is no direct health and safety impacts, access to hot water is important in a facility like the Public Works building.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory compliance issues associated with the current equipment.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	There is a low consequence of failure and a low probability of failure associated with the current equipment.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Financial savings will be achieved as a result of the project due to the high volume of water used at this location.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	The project may be eligible for a grant depending on the annual consumption and the type of equipment that will be installed.
Environment	Does the project address needs impacted by climate change?	1	There will be minimal impact on the environment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The replacement of the equipment will allow for the maintenance of the existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	The HWH carries no aesthetic value.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports the delivery of core services through the maintenance of an adequate facility portfolio.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2027

Hydrant Painting

27N.1

Priority Score: 57.40

Project Type:	Maintenance	**Priority Level:**	High
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	5	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 90,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 90,000	$ 0	$ 0

Costs Incurred to 2026 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 90,000

Schedule:

Construction Start Date: 04/01/2027

Substantial Completion or purchase date: 06/01/2027

Funding Sources:

Water Rates	$ 90,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Historically the Water Utility has refreshed hydrant paint approximately every five years. Hydrants are painted entirely yellow (except for the black cap shown) and the colour coding will be achieved via removable reflective rings on the side ports.

Attach Images: hydrant testing.jpg; hydrant.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Hydrant Painting

27N.1

Priority Score: 57.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Entire City Water Distribution System
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Poorly maintained hydrants can fail.
Legislation	Is the project required for legislative/regulatory compliance?	2	No legislation, but this is a best practice in the industry.
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	Part of required maintenance of the assets
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Adversely affects hydrant life if not done.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Funded through water rates.
Environment	Does the project address needs impacted by climate change?	1	No impact on the environement
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	N/A
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	N/A

Year: 2027

Hydrant Flow Testing

27N.2

Priority Score: 63.80

Project Type:	Maintenance	**Priority Level:**	High
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Various

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 50,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 0	$ 0

Costs Incurred to 2026 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 50,000

Schedule:

Construction Start Date: 04/01/2027

Substantial Completion or purchase date: 06/01/2027

Funding Sources:

Water Rates	$ 50,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

With development continuing, the City's water system will have undergone considerable changes. It is required to re-test the fire flow capacity of the system to update hydrant capacities to provide the correct colour coding on the hydrants, in accordance with the National Fire Protection Association procedures.

Attach Images: hydrant testing.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Hydrant Flow Testing

27N.2

Priority Score: 63.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Entire City Water Distribution System
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Mischaracterising hydrant capacity can lead to the use of the incorrect hydrant by emergency services
Legislation	Is the project required for legislative/regulatory compliance?	5	NFPA 291
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	Part of required testing of the assets
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Can result in incorrect fire flow estimations which can affect fire protection for existing and new development.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Funded through water rates
Environment	Does the project address needs impacted by climate change?	1	No impact on the environment
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	N/A
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	N/A

Year: 2027

Facility Maintenance i/c Roof

27N.3

Priority Score: 63.40

Project Type:	Maintenance	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Water Treatment

Cash Flow Projection:

	2027	2028	2029 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 475,200		
Contingency			
Total	$ 475,200	$ 0	$ 0

Costs Incurred to 2026 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 475,200

Schedule:

Construction Start Date: 04/01/2027

Substantial Completion or purchase date: 10/31/2027

Funding Sources:

Water Rates	$ 475,200
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City's 2024 Roof Inspection Program has recommended the replacement of the following roof sections at the Water Treatment Plant:

Roof Section 1, 2, 4, 5, 6, 7, 8 and 9.

Roof section 8 is recommended for replacement in 2025 but will be deferred to 2027, while roof sections 1 and 2 are recommended for replacement in 2028/29. All remaining sections are recommended for replacement in 2027. Staff are recommending combining all of the roof sections into one project for 2027 to minimize disruption at the facility and to achieve economies of scale by reducing the number of mobilization and demobilizations at the facility.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Facility Maintenance i/c Roof 27N.3 Priority Score: 63.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the water treatment for the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Roof failure could affect water quality and staff safety
Legislation	Is the project required for legislative/regulatory compliance?	4	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	This is identified in the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Ultimately roof failure could cause leakage and damage to important treatment components; equipment and mechanical and electrical.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Not a direct link
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2027

Storage Tank Biosolids Cleanout 27O.1

Priority Score: 69.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	$2,000,000 - 2064	**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 150,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 150,000	$ 0	$ 0

Costs Incurred to 2026 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 150,000

Schedule:

Construction Start Date: 05/31/2027

Substantial Completion or purchase date: 09/01/2027

Funding Sources:

Waste Water Rates	$ 150,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The biosolids storage tank (pictured) at the Wastewater Treatment Plant receives digested biosolids after treatment, and stores them for seasonal land application.

In time the tank accumulates sediment and debris and requires a cleaning for proper operation; especially mixing and pumping.

Attach Images: Storage tank.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Storage Tank Biosolids Cleanout 27O.1

Priority Score: 69.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This is the biosolids storage for the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Storage tank mixing or pumping failure could create adverse reactions in the tank, which could create dangerous and oderous gases.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This is a recurring requirement for asset maintenance
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	This is a necessary regular activity in order to allow proper operation of the biosolids treatment train.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Funded through wastewater rates
Environment	Does the project address needs impacted by climate change?	1	Increased flows do not necessarily translate to increased biosolids production.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	3	Prevent a possible severe odour problem.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	None

Year: 2027

WWTP Instrumentation/SCADA

27O.2

Priority Score: 66.00

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	7	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 150,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 150,000	$ 0	$ 0

Costs Incurred to 2026 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 150,000

Schedule:

Construction Start Date: 05/31/2027

Substantial Completion or purchase date: 09/01/2027

Funding Sources:

Waste Water Rates	$ 150,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

There is a need to regularly replace electrical and SCADA equipment which have a short lifespan.

This especially includes PLC's, computers, software upgrades, and various instrumentation and networking equipment.

IT Conversations

Attach Images: PLC-Panel.jpeg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

WWTP Instrumentation/SCADA 27O.2

Priority Score: 66.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	PLC failure poses a considerable risk to proper sewage treatment
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	PLC failure would result in the plant control system "Crashing" and sewage treatment could partially or entirely cease, (There are alarms in place to alert the operators of this outcome)
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Funded through wastewater rates
Environment	Does the project address needs impacted by climate change?	2	Wet weather flows are now more frequent but this is not as relevant a factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	No adverse affect
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	None

Year: 2027

4th Ave W Reconstruction - Phase 2 - 17th St W to 20th St W **27P.1** **Priority Score:** **60.10**

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50 years - road, 100 years - mains and services	**Staff Contact:**	Chris Webb

Cash Flow Projection:	2027	2028	2029
Studies			
In House Engineering	$ 15,000	$ 3,000	$ 3,000
Design or Engineering	$ 300,000	$ 17,000	$ 17,000
Communication / Signage			
Construction / Contractor	$ 3,185,000		
Materials			
Equipment/Misc			
Contingency	$ 200,000		
Total	$ 3,700,000	$ 20,000	$ 20,000

Costs Incurred to 2026 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 3,740,000

Schedule:

Construction Start Date: 03/30/2027

Substantial Completion or purchase date: 11/30/2027

Funding Sources:

OCIF Formula	$ 1,920,000
Water Rates	$ 910,000
Waste Water Rates	$ 910,000
Please Select	
Please Select	
Capital Reserve	

Description and Rationale:

This project involves reconstructing 4th Avenue West from 17th Street West to 20th Street West.

This project will include the second phase of reconstruction of the 4th Avenue West roadway, replacing all the failing municipal underground infrastructure and fully reconstructing curbs/gutters and sidewalks.

The Engineering design and approvals cost for this project phase is included in the 15th St W to 17th St W phase of construction. The Design or Engineering cost shown is for contract administration, inspection and materials testing during the construction period.

Attach Images: 4th Ave W.PNG; 1. 4th Ave W - 17th St W to 20th St W - Reconstruction.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

4th Ave W Reconstruction - Phase 2 - 17th St W to 20th St W	27P.1	Priority Score:	60.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This will impact pedestrian and vehicular traffic on a collector road servicing a school.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Minor injuries may result if this project does not proceed due to trip hazards.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	All the infrastructure under the road is currently past its life expectancy and is in need of replacement.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Improvements on the underground infrastructure and road will greatly reduce the amount of staff time and operational costs, as well we reduce liability due to flooding in the area
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	This project is mainly funded through OCIF.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project will maintain existing public infrastructure.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	4	This project will look at improving the aesthetic value of the road street scape by including boulevard trees where appropriate and feasible.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	Has been mentioned informally through public engagements on the condition of the road.

Year: 2027

3rd Ave E/GR 15 - 10th St E to 12th St E - Phase 1

27P.2

Priority Score: 56.30

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50 years - road, 100 years - mains and services	**Staff Contact:**	Chris Webb

Cash Flow Projection:	2027	2028	2029
Studies			
In House Engineering	$ 20,000	$ 20,000	$ 5,000
Design or Engineering	$ 280,000	$ 280,000	$ 15,000
Communication / Signage			
Construction / Contractor		$ 2,500,000	
Materials			
Equipment/Misc			
Contingency		$ 200,000	
Total	$ 300,000	$ 3,000,000	$ 20,000

Costs Incurred to 2026 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 3,320,000

Schedule:

Construction Start Date: 03/30/2027

Substantial Completion or purchase date: 11/30/2027

Funding Sources:

OCIF Formula	$ 668,000
Water Rates	$ 1,336,000
Waste Water Rates	$ 1,336,000
Please Select	
Please Select	
Capital Reserve	

Description and Rationale:

This is the first phase of a proposed three phase project that involves reconstructing 3rd Avenue East from 10th Street East to 18th Street East.

The first phase is the 10th Street East to 12th Street East segment.

This project will be coordinated in conjunction with the County of Grey Road reconstruction. This project will include reconstruction of 3rd Avenue East roadway, replacing all the failing municipal underground infrastructure and fully reconstructing curbs/gutters and sidewalks.

The costs shown are for City related costs only. This includes watermain, sanitary sewer, sidewalk replacement, existing storm sewer replacement or new construction water replacement (cost shared by City and County) and boulevard landscaping including planting new trees.

Not included are the County's costs such as road reconstruction, curb and gutter replacement, partial stormwater cost.

Attach Images: 3rd Avenue East-Grey Road 15 Reconstruction.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

3rd Ave E/GR 15 - 10th St E to 12th St E - Phase 1	27P.2	Priority Score:	56.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	It is estimated that 5,000 to 9,999 people will be directly impacted as a result of this project. This will impact pedestrian and vehicular traffic on a collector road servicing a school.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Minor injuries may result if this project does not proceed due to trip hazards.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	All the infrastructure under the road is currently past its life expectancy and is in need of replacement.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Improvements on the underground infrastructure and road will greatly reduce the amount of staff time and operational costs, as well we reduce liability due to flooding in the area
Financing	Can the cost of investment be leveraged or are there partnership funds available?	3	This project is partially funded by OCIF (less than 50%), plus a partnership cost component with Grey County.
Environment	Does the project address needs impacted by climate change?	3	Little or no impact on environment as a result of the project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project will maintain existing public infrastructure.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	4	This project will look at improving the aesthetic value of the road street scape by including boulevard trees where appropriate and feasible.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	Has been mentioned informally through public comments on the condition of the road.

Year: 2027

28th Avenue East Culverts (OS-17) - north of 20th St E

27P.3

Priority Score: 32.10

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$1,345,794 (2077)	**Location/Coordinates:**	28th Avenue East Culverts - approxin

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering	$ 10,000	$ 5,000	
Design or Engineering	$ 70,000	$ 45,000	$ 10,000
Communication / Signage			
Construction / Contractor		$ 600,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 80,000	$ 650,000	$ 10,000

Costs Incurred to 2026 Year End

Impact on Operating Budget $ 0 $ 0 $ 0

Total Project Budget: $ 740,000

Schedule:

Construction Start Date: 03/31/2027

Substantial Completion or purchase date: 07/31/2027

Funding Sources:

Tax Levy	$ 690,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 50,000

Description and Rationale:

The 28th Ave East Culverts (OS-17) are located approximately 320m north of 20th Street East. This culvert is a 0.9m double barrel culvert crossing that was constructed in 1965.

This culvert crossing has exceeded its expected life and is in poor condition due to corrosion along the waterline, sediment build up as well as failures of the culvert's head wall.

This project will investigate the appropriate replacement structures to handle the traffic passing over the culverts as well as making sure the culverts are sized accordingly to handle storm events.

Attach Images: 3. 28th Avenue East Culverts (OS-17) - north of 20th St E.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

28th Avenue East Culverts (OS-17) - north of 20th St E **27P.3** **Priority Score:** **32.10**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	It is expected that approximately 1,500 motorists would be affected by this construction
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Continued structural deterioration resulting in an uneven driving surface
Legislation	Is the project required for legislative/regulatory compliance?	4	The replacement will meet minimum maintenance legislation requirements
Asset Management	Is the project a high priority for replacement in the asset management plan.	2	The culverts are showing signs of deterioration; no load restrictions are yet applied to these culverts
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	There will be little or no effect on current operations as a result of the project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	This project may be eligible for rebates in the future.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on environment as a
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	The project will have no direct impact on public
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	The project has no aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2027

10th St W - Upper North Side - RW-3B (Connecting Link) 27P.4

Priority Score: 43.20

Project Type:	Rehabilitation	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$1,547,663 (2077)	**Location/Coordinates:**	North side of 10th St W between 4th

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering	$ 10,000	$ 5,000	
Design or Engineering	$ 70,000	$ 45,000	$ 15,000
Communication / Signage			
Construction / Contractor		$ 550,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 80,000	$ 600,000	$ 15,000

Costs Incurred to 2026 Year End

Impact on Operating Budget $ 0 $ 0 $ 0

Total Project Budget: $ 695,000

Schedule:

Construction Start Date: 03/31/2027

Substantial Completion or purchase date: 11/01/2027

Funding Sources:

Tax Levy	$ 95,000
Grant	$ 600,000
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The 10th St W - Upper North Side - RW-3B is located on the north side of 10th street West between 4th Avenue West and 6th Avenue West. This section of retaining wall was constructed in 1972.

During the 2018 inspection, it was identified that sections of the wall are showing signs of rotation/ tipping along with other minor issues such as concrete spalling, cracking, failing drainage channels and over vegetation that may be adding to this failure.

This project will investigate the stability of the retaining wall and any sections of the retaining wall that may need to be replaced and repaired to extend the service life of this structure.

The Grant portion of the funding assumes successful Connecting Link funding.

Attach Images: 4.10th St W - Upper North Side - RW-3B (Connecting Link).pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

10th St W - Upper North Side - RW-3B (Connecting Link) **27P.4** **Priority Score:** **43.20**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	It is expected that over 10,000 motorists will be impacted as a result of this project
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Without further investigation of the causes of this failure the retaining wall may tip or not adequately support the slope behind it
Legislation	Is the project required for legislative/regulatory compliance?	4	The replacement will meet minimum maintenance legislation requirements
Asset Management	Is the project a high priority for replacement in the asset management plan.	2	The retaining wall is showing signs of movement but should be addressed in a timely manner to prevent additional costs
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	There will be little or no effect on current operations as a result of the project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	This project may be eligible for rebates / funding through Connecting Link Funding
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on environment as a
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	The project will have no direct impact on public
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	The project has no aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2027

OS Transit Terminal Window and Door Replacement

27R.1

Priority Score: 42.30

Project Type:	Replacement	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Corporate Services
Estimated Useful Life (years):	30	**Staff Contact:**	Bradey Carbert
Future Replacement Cost:	$60,700	**Location/Coordinates:**	1020 3rd Ave. E.

Cash Flow Projection:

	2027	2028	2029
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 25,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 25,000	$ 0	$ 0

Costs Incurred to 2026 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 25,000

Schedule:

Construction Start Date:	06/01/2027
Substantial Completion or purchase date:	09/01/2027

Funding Sources:

Reserves	$ 25,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The Terminal was constructed in 1986. The facility supports Owen Sound Transit and the Guelph Owen Sound Transit (GOST) service.

The windows and doors are believed to be original. The 2024 project will focus on window replacement to replace existing single paned glass windows and the 2027 project will focus on entrance doors.

Projects at this facility are funded through the Provincial Gas Tax Reserve.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

OS Transit Terminal Window and Door Replacement	27R.1	Priority Score:	42.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	The transit terminal is a well utilized facility by both transit and non-transit users.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	There is no impact on health and safety associated with the windows in their current state.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	There is a moderate probability of failure based on the lifecycle and other deterioration. There have been multiple repairs in recent years.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Slight impact on operational efficiency and effectiveness by reducing maintenance related repairs.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	The project is funded by Provincial Gas Tax and does not require tax supported funding.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	3	The project will moderately improve the aesthetic of the building.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2028

Minor Pumping Station Rehab

28O.1

Priority Score: 61.00

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	27th St Sewage Pumping Station

Cash Flow Projection:	2028	2029	2030
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 300,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 300,000	$ 0	$ 0

Costs Incurred to 2027 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 300,000

Schedule:

Construction Start Date:	06/01/2028
Substantial Completion or purchase date:	12/31/2028

Funding Sources:

Waste Water Rates	$ 300,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The 27th Street Sewage Pumping Station has a number of issues which need to be addressed through considerable rehabilitation of pumps and associated mechanical.

The attached photo shows the ideal pumping station configuration; it does not represent the existing station.

Attach Images: 21O.2.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Minor Pumping Station Rehab 28O.1 Priority Score: 61.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	This would typically affect people in the project area
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Sewer bypasses and backups from failed pumps
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan, as part of a multi-year program
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	This station requires frequent callouts to pull the pump for maintenance; since there is only one pump, any issue must be addressed quickly and often on overtime.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No
Environment	Does the project address needs impacted by climate change?	2	Wet weather flows are now more frequent; this is only a somewhat relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	None
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2028

Digestor Bio-Solids Cleanout

28O.2

Priority Score: 66.00

Project Type:	Maintenance	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	5	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:		**Location/Coordinates:**	Wastewater Treatment Plant

Cash Flow Projection:

	2028	2029	2030
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 300,000		
Contingency			
Total	$ 300,000	$ 0	$ 0

Costs Incurred to 2027 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 300,000

Schedule:

Construction Start Date: 07/01/2028

Substantial Completion or purchase date: 08/31/2028

Funding Sources:

Waste Water Rates	$ 300,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The digestor, with a capacity of about 2000 cubic metres receives the biosolids from the clarifiers at the WWTP, and provides additional treatment, and produces biogas, prior to being stored on site in the two storage tanks, then land applied.

Approximately every five years deletrious materials in the digestor must be cleaned out to allow for proper tank operation, especially the biosolids pumps and mixing system. Otherwise rags and other materials begin to clog those components, which could result in digestor failure.

Currently such clogging events are accelerating in frequency.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Digestor Bio-Solids Cleanout 28O.2 Priority Score: 66.00

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This can affect the wastewater treatment train which affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Failure of the digestor can have a significant environmental and health and safety impact.
Legislation	Is the project required for legislative/regulatory compliance?	5	Ontario Water Resources Act, Nutrient Management Act.
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Failure of the digestor can mean scheduling an emergency cleanout, at significant expense, and trucking all biosolids to Lystech for treatment while the digester is down, also a significant expense.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	3	Wet weather flows are now more frequent; this is a relevant factor for this project since higher flows carry a higher debris load.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No opportunity for partnership or grant funding.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2028

3rd Avenue East/GR 15 - 12th St E to 14t St E - Phase 2

28P.1

Priority Score: 55.90

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50 years - road, 80 to 100 years -	**Staff Contact:**	Chris Webb
Future Replacement Cost:	2079 ($1.8M), 2129 ($19.6M)	**Location/Coordinates:**	3rd Ave E - 12th St E to 14th St E

Cash Flow Projection:

	2028	2029	2030
Studies			
In House Engineering	$ 20,000	$ 20,000	
Design or Engineering	$ 280,000	$ 280,000	
Communication / Signage			
Construction / Contractor		$ 2,500,000	
Materials			
Equipment/Misc			
Contingency		$ 200,000	
Total	$ 300,000	$ 3,000,000	$ 0

Costs Incurred to 2027 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 3,300,000

Schedule:

Construction Start Date:	04/01/2028
Substantial Completion or purchase date:	11/30/2028

Funding Sources:

OCIF Formula	$ 660,000
Water Rates	$ 1,320,000
Waste Water Rates	$ 1,320,000
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This is the second phase of a proposed three phase project that involves reconstructing 3rd Avenue East from 10th Street East to 18th Street East.

The second phase is the 12th Street East to 14th Street East segment.

This project will be coordinated in conjunction with the County of Grey Road reconstruction. This project will include reconstruction of 3rd Avenue East roadway, replacing all the failing municipal underground infrastructure and fully reconstructing curbs/gutters and sidewalks.

The costs shown are for City related costs only. This includes watermain, sanitary sewer, sidewalk replacement, existing storm sewer replacement or new construction water replacement (cost shared by City and County) and boulevard landscaping including planting new trees.

Not included are the County's costs such as road reconstruction, curb and gutter replacement, partial stormwater cost.

Attach Images: 3rd Avenue East-Grey Road 15 Reconstruction.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

3rd Avenue East/GR 15 - 12th St E to 14t St E - Phase 2 **28P.1** **Priority Score:** **55.90**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	It is estimated that 5,000 to 9,999 people will be directly impacted as a result of this project. This includes the local residents and businesses as well as the travelling public.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Minor injuries may result if the project does not proceed due to sidewalk trip hazards.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	There is a high probability of failure of underground services with moderate consequences.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Replacing the underground and surface infrastructure will result in operational cost savings related to attending to sidewalk trip hazards, road patching and repairs, sewer blockages and repairs and watermain break avoidance.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	3	The project has confirmed OCIF funding at less than 50% of the cost, plus includes a partnership cost component with Grey County.
Environment	Does the project address needs impacted by climate change?	3	The project will slightly improve the natural environment and prevent further detriment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	3	The project will improve the aesthetic value of the street scape by replacing the road and sidewalk with enhancements including tree planting.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	The project has been mentioned informally through public comments.

Year: 2028

9th Avenue East - 3000 Block - Culvert Repair/Rehabilitation

28P.2

Priority Score: 38.30

Project Type:	Rehabilitation	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Chris Webb
Future Replacement Cost:	2104 ($675,000)	**Location/Coordinates:**	9th Avenue East - 3000 block

Cash Flow Projection:

	2028	2029	2030
Studies			
In House Engineering	$ 5,000	$ 5,000	
Design or Engineering	$ 30,000	$ 20,000	
Communication / Signage			
Construction / Contractor		$ 225,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 35,000	$ 250,000	$ 0

Costs Incurred to 2027 Year End

Impact on Operating Budget $ 0 $ 0 $ 0

Total Project Budget: $ 285,000

Schedule:

Construction Start Date: 06/04/2029

Substantial Completion or purchase date: 08/31/2029

Funding Sources:

Tax Levy	$ 285,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This double concrete pipe culvert is part of the Kenny Drain system. The concrete culvert segments are in good condition but some of the pipe segments have separated and become misaligned. The culvert will likely have to be fully daylighted and the segments reset and secured. Some concrete repairs are required as well.

The inlet and outlets of the culvert require removal and clearing of vegetation and trees.

The existing post and guide cable restraint system has fallen into disrepair. The risk associated with this is low due to the culvert location which is in an unopen segment of the road allowance where motor vehicles are not permitted. However, the guidecable system should be replaced with steel beam guiderail to reduce maintenance cost and provide a longer service life. This cost is included in the project budget estimate.

The existing granular trail on this segment of 9th Avenue East ends at the terminus of the road just north of this location and connects the Kiwanis Soccer Complex and future high density multi-residential development north of this location with the Grey County CP Rail Trail/Tom Thomson Trail to the south and provides an excellent recreational and active transportation route.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

9th Avenue East - 3000 Block - Culvert Repair/Rehabilitation **28P.2** **Priority Score:** **38.30**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	It is estimated that 2,500 to 4,999 people will be directly affected as a result of this project.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Injuries requiring medical attention may result if the project does not proceed.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	This is an enhancement to an existing asset.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Operational efficiencies will be achieved as a result of this project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	The project may be eligible for future grant funding opportunities.
Environment	Does the project address needs impacted by climate change?	3	The project will moderately improve the natural environment and prevent further detriment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	The project does not impact the aesthetic value of the asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	The project supports an objective of the strategic plan.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2028

Transportation Master Plan Update 28P.4

Priority Score: 45.50

Project Type:	Enhancement	**Priority Level:**	Moderate
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	15 years	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$404,000	**Location/Coordinates:**	Entire City

Cash Flow Projection:

	2028	2029	2030
Studies	$ 300,000		
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			
Contingency			
Total	$ 300,000	$ 0	$ 0

Costs Incurred to 2027 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 300,000

Schedule:

Construction Start Date: 03/01/2028

Substantial Completion or purchase date: 10/27/2028

Funding Sources:

Federal Gas Tax	$ 300,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

A Transportation Master Plan (TMP) is a strategic policy document that guides decision-making and prioritisation of transportation projects and initiatives.

The existing TMP will be 18 years on in 2028 and will be in need of a significant refresh/major updating. Updating the TMP will guide the City and future Councils to put transportation planning policies and guidelines in place that will build on the existing TMP and enhance policy frameworks to:

1. Reduce dependence on single-occupant vehicles. A well-designed and updated TMP aims to decrease reliance on individual cars by promoting alternative modes of transportation such as walking, cycling, and transit. By doing so, it contributes to reduced traffic congestion and environmental impact.
2. Promote sustainable modes of travel. An updated TMP will further encourage sustainable transportation options like walking and cycling. These modes are not only healthier for individuals but also have a positive impact on the environment by reducing greenhouse gas emissions.
3. Provide for Efficient Movement of Goods and Services. The updated TMP should consider the movement of goods and improve transportation servicing to and in employment areas. By optimising transportation networks, the efficiency of business and employee transport will support economic development and activity.
4. Support City Planning and Development Objectives. The updated TMP will align with the latest Official Plan and broader City planning goals. Issues related to land use, connectivity, safety, and equity will be addressed. Projects and initiatives will be prioritised based on these objectives.

Attach Images: Transportation Master Plan Update.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Transportation Master Plan Update 28P.4

Priority Score: 45.50

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This projects affects the entire City, therefore over 10,000 people will be directly impacted as a result of this project.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	This is a difficult project to classify as it relates to this category. It is assumed that it will have a positive impact on public health and safety but this is difficult to quantify.
Legislation	Is the project required for legislative/regulatory compliance?	2	There is no immediate legislated requirement but legislation may future legislation or best management practices may support or require multiple recommendations in an updated TMP.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	This project could recommend enhancements to existing assets.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	There will be little or no effect on current operations as a result of this project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	5	The project has confirmed grant funding greater than 66%.
Environment	Does the project address needs impacted by climate change?	2	The project will slightly improve the natural environment or prevent further detriment by identifying opportunities for active transportation and more efficient use of existing transportation infrastructure.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains existing public spaces.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	The project does not impact the aesthetic value of the impacted assets.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	The project, or aspects of it, have been mentioned in unsolicited feedback.

Year: 2028

9th Ave E - 32nd St E to Kenny Drain - Reconstruction 28P.5

Priority Score: 44.10

Project Type: Replacement
Growth Related?: Yes
Estimated Useful Life (years): 100

Priority Level: Moderate
Department: Public Works and Engineering
Staff Contact: Chris Webb

Cash Flow Projection:

	2028	2029	2030+
Studies			
In House Engineering	$ 10,000	$ 5,000	$ 2,000
Design or Engineering	$ 140,000	$ 80,000	
Communication / Signage			
Construction / Contractor		$ 1,335,000	$ 18,000
Materials			
Equipment/Misc			
Contingency		$ 80,000	
Total	$ 150,000	$ 1,500,000	$ 20,000

Costs Incurred to 2027 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 1,670,000

Schedule:

Construction Start Date: 05/04/2029

Substantial Completion or purchase date: 11/27/2029

Funding Sources:

Tax Levy	$ 203,000
Water Rates	$ 1,307,000
Debenture	$ 160,000
Please Select	
Please Select	
Capital Reserve	

Description and Rationale:

This project involves the replacement of the existing AC watermain with a new PVC watermain of the same size (300 mm dia.) on 9th Avenue East. As part of the project, the road will be rehabilitated to a rural cross-section. This project also supports the Sky Dev residential apartment buildings complex development at 3195 East Bayshore Road.

The cost in 2028 is for design engineering (consultant) cost. The 2029 cost is for construction contract administration, inspection and materials testing. The $20,000 amount in 2030 is for the maintenance period administration in 2030 and 2031 at $10,000 per year.

$60,000 in funding source is SkyDev contribution under a 2025 Servicing Agreement for the road rehabilitation.

There may be a minor reduction in road maintenance expense due to the road surface upgrading but this is difficult to quantify.
There is no expected savings in operating expense related to the watermain replacement, however there may be an avoided cost related to expected future watermain breaks and risk associated with loss of water service.

Attach Images: 9th Ave E - 32nd St E to KD - Reconstruction.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

9th Ave E - 32nd St E to Kenny Drain - Reconstruction	28P.5	Priority Score:	44.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	This project will benefit approximately 3,000 residential population and the use of the Kiwanis Soccer Complex and nearby industrial.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	The level of risk is increasing for health and safety leading to possible illness if the water supply is compromised.
Legislation	Is the project required for legislative/regulatory compliance?	1	No known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This asset is showing signs of failure and delayed maintenance may cause increased costs in the future.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Operational efficiencies will be achieved.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding; however, a small contribution from the developer will be required.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project will maintain water system supply integrity.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Project does not impact the aesthetic value of the impacted asset.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	1	This project has been mentioned in unsolicited feedback in terms of the site plan approval for the Sky Dev development.

Year: 2029

20N.2 Water System Model Update & Training

29N.1

Priority Score: 59.60

Project Type:	Enhancement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 25,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 25,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 25,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 25,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City's Engineering Department maintains a working computer model of the water distribution system

This is typically used to assess the impact of proposed changes, whether permanent, or temporary due to construction.

It is common practice to recalibrate and/or confirm model accuracy on a regular basis. Since it is not a program or technology staff intimately use training or refreshers are likely required to understand models capabilities and limitations.

Attach Images: water model.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

20N.2 Water System Model Update & Training	29N.1	Priority Score:	59.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Accurate modeling of the water system is important to ensure the impact of changes on fire flows in the City are understood.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	There is some probability of a modeling error resulting in an issue with fire flows.
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	A failure to accurately assess fire flows can result in mischaracterization (ie colour coding) of individual hydrants, which could cause the fire department to select the "wrong" hydrant.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Cathodic Protection Rehab

29N.2

Priority Score: 66.10

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	30	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:	2029	2030	2031 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 100,000	$ 100,000	$ 100,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 100,000	$ 100,000	$ 100,000

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 300,000

Schedule:

Construction Start Date:	07/01/2023
Substantial Completion or purchase date:	08/01/2031

Funding Sources:

Water Rates	$ 300,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Replacement of Cathodic Protection on large diameter critical ductile iron trunk watermains. This slows/eliminates corrosion via an electrochemical process whereby the anode decays instead of the main. However, the anodes were all installed in the early 1990 ' s and are now at the end of their useful life, as determined by a cathodic protection survey undertaken in 2013 which measured the remaining electrochemical protection. In some cases the trunk main can be cathodically protected without disturbing asphalt but in many cases some limited asphalt disturbance will be required.

The City continues to follow the multi year program to protect watermains as laid out in 2013.

Attach Images: 22N.2.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Cathodic Protection Rehab 29N.2 Priority Score: 66.10

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Watermain failures can affect a significant area
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Watermain breaks can damage property and result in poor water quality
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	The intent is to extend the useful life of water infrastructure
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Failure to do this could result in vastly increased watermain breaks as older watermain rots in place
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Water Rates
Environment	Does the project address needs impacted by climate change?	3	Watermain breaks can affect environment : chlorinated water in receiving water
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	Watermain Projects generally are not.

Year: 2029

Valve Replacements

29N.3

Priority Score: 64.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 40,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 40,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 40,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 40,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

There are a number of valves and components associated with valves such as actuators in the water plant that range in size and age from fairly new to 55 years old (original).

For proper operation of the plant, these valves need to open and close on a very frequent basis, to prevent backflow, control flow or pressure for proper operation of the plant process. Valve replacements usually are incorporated into larger scale projects such as piping rehabilitation or can be isolated to a particular pipe.

Attach Images: Valve 1.jpg; Valve 2.jpg; Valve 3.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Valve Replacements

29N.3

Priority Score: 64.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Valve failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Failure of a significant valve in the water treatment plant could reduce water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Piping Rehabilitation WTP

29N.4

Priority Score: 68.80

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 250,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 250,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 250,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 250,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Due to aging piping in the facility, including original piping from the late 1960's, there are a number of pipes that are rusting to the point of needing replacement.

Repainting has been considered in the past, but is not an option due to lead content in the paint which would require full lead paint abatement removal job, an expensive option for old pipe. Additionally wall thickness of the older pipe has become reduced by long term corrosion.

Replacement with stainless steel piping is therefore the preferred option.

Recall that several stainless piping upgrades have been completed in the past under different projects in 2005, 2013 (emergency repair), and 2020.

Specific process piping will be identified closser to the date

Attach Images: piping 1.jpg; piping 2.jpg

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Piping Rehabilitation WTP 29N.4 Priority Score: 68.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the Water Treatment Process which can affect the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Pipe failure could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	These are identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a major piping system in the water treatment plant would be a designated emergency and could stop water treatment production.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Wet weather flows are now more frequent but this is not a relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Leak Detection Survey

29N.5

Priority Score: 70.80

Project Type:	Rehabilitation	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water Distribution System

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 20,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 20,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 20,000

Schedule:

Construction Start Date: 01/01/2026

Substantial Completion or purchase date: 12/31/2026

Funding Sources:

Water Rates	$ 20,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City undertakes a leak detection survey of the water distribution system every 3 years.

It has been established that the 3 year interval is optimal in terms of discovering new leaks in a timely manner.

Budget adjusted from $15000 to $20000

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Leak Detection Survey

29N.5

Priority Score: 70.80

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	The entire City distribution system is surveyed
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Leaks left undetected can fail suddenly and could be a risk to health and safety and the delivery of drinking water to the customer
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	This program has been identified on the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure of a major watermain could result in loss of service to a portion of the community
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Not relevant to this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Confined Space Entry Equipment

29N.6

Priority Score: 70.40

Project Type:	Replacement	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water + Wastewater

Cash Flow Projection:	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc	$ 10,000		
Contingency			
Total	$ 10,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 10,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 10,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City Water and Wastewater departments have confined space entry equipment, including tripod, winch, harnesses, and associated equipment. This equipment is required in order to safely enter confined spaces in accordance with the regulations.

In 2018 this equipment was standardized across the Water and Wastewater groups.

In 2024, some of the equipment will require updating. The remainder will be updated in 2029

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Confined Space Entry Equipment 29N.6 Priority Score: 70.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	Water and Wastewater Staff
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Confined Space Entry, done improperly, with improper equipment, kills a number of people in Ontario yearly.
Legislation	Is the project required for legislative/regulatory compliance?	5	Occupational Health and Safety Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	Identified in Asset Management Plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Confined Space Entries will not be possible.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves
Environment	Does the project address needs impacted by climate change?	1	Not Applicable
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	Not Applicable
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not Applicable
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Major Pump Replacement

29N.7

Priority Score: 70.30

Project Type:	Replacement	**Priority Level:**	Very High
Growth Related?:	No	**Department:**	Other
Estimated Useful Life (years):	100	**Staff Contact:**	Manager of Water/Wastewater
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	City of Owen Sound

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 100,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 100,000	$ 0	$ 0

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 100,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Water Rates	$ 100,000
Grant	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Industrial High Lift Pump P3 at the Water Treatment Plant has a performance issue. In the absence of a variable frequency drive, it creates pressure surges which could damage watermains. It therefore is not used as part of duty rotation due to the risk. This reduces the high lift capacity which adversely affects available fire flows.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Major Pump Replacement

29N.7

Priority Score: 70.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	A failure of the high lift pump could affect the whole City under certain circumstances
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	There are risks of Adverse Conditions which could be created by pump failure.
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act (specifically Adverse Condition provisions of the regulation)
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	It was in the plan. But recent issues have compelled sooner action.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Improvements to the pump will improve reliability of operation, reduce the probability of failure, and reduce operating costs.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Reserves
Environment	Does the project address needs impacted by climate change?	1	No significant Environmental Impact
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	No adverse impact on aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2029

Water Rate Study

29N.8

Priority Score: 54.60

Project Type:	Study	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	0	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Enter Location Info/Coordinates

Cash Flow Projection:

	2029	2030	2031
Studies	$ 50,000		
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 50,000

Schedule:

Construction Start Date:

Substantial Completion or purchase date:

Funding Sources:

Water Rates	$ 50,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The Water Rate Study and associated Financial Plan are regular scheduled requirements for the City to update its Drinking Water Licence and Drinking Water Works Permit.

The approved Financial Plan is one of the criteria to renew these documents, in addition to:

-Accredited Operating Authority

-Permit to Take Water

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Water Rate Study

29N.8

Priority Score: 54.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the entire system
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	This is a regulatory requirement, ultimately a lack of a financial plan could jeopardize the system
Legislation	Is the project required for legislative/regulatory compliance?	5	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	5	It is a recurring requirement in the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Not particularly applicable to operational performance unless a lack of funding arose.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	Reserves/Water Rates
Environment	Does the project address needs impacted by climate change?	1	N/A
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No adverse impact on public spaces
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	N/A
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

SCADA Computer and Softare Upgrade WTP 29N.10

Priority Score: 62.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Water Treatment Plant

Cash Flow Projection:	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 90,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 90,000	$ 0	$ 0

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 90,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 04/30/2029

Funding Sources:

Water Rates	$ 90,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The City's remote locations (Beattie St, East Hill Booster Station, the reservoir and the Genoe Leachate monitoring system.) require PLC upgrades due to age (20 years), planned in 2024. Additional funds will be budgeted for 2029 with specific needs addressed closer to delivery date.

Attach Images: 22N.10.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

SCADA Computer and Softare Upgrade WTP 29N.10

Priority Score: 62.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This affects the water source for the entire City
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Network system failures can result in SCADA failures and an inability to treat and/or pump water
Legislation	Is the project required for legislative/regulatory compliance?	4	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	Yes. The SCADA is a high priority item in the 10-year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	This will ensure reliable operation of the SCADA system. It includes some programming changes to optimize treatment, as well.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	Water Rates
Environment	Does the project address needs impacted by climate change?	1	Not a direct link
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	No public spaces adversely impacted
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	0	None

Year: 2029

Cross Connection Control Program 29N.11

Priority Score: 65.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:	2029	2030	2031 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 20,000	$ 20,000	$ 20,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 20,000	$ 20,000	$ 20,000

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 60,000

Schedule:

Construction Start Date: 02/01/2023

Substantial Completion or purchase date: 12/31/2031

Funding Sources:

Water Rates	$ 60,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Cross Connection Control Programs have been initiated in many communities in order to ensure that all Commercial, Institutional, and Industrial facilities meet the current backflow preventer requirements for the current Building Code, to prevent backflow and contamination of the City water system. The site surveys of 500 Industrial, Commercial, and Institutional sites indicated a substantial level of effort is required to achieve compliance. Plans to implement in 2020 and 2021, starting with the hiring a backflow prevention coordinator, were deferred in 2020 due to Covid : The position requires on site inspection of each location. In early 2022, the final by-law was passed, the Backflow Prevention Coordinator was hired, and work has begun. Older City-owned facilities are a priority, as well as higher-risk connections at Industrial, Commercial, and Institutional locations.

This is budgetary estimate to continue the level of service provided in 2024/2025. Budgetary requirements may change with permitting and development processes.

Attach Images: 22N.1.JPG

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Cross Connection Control Program 29N.11

Priority Score: 65.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	A significant number of locations (500) will be affected directly, and the program affects the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	The City has had two significant backflow events in the past, and this greatly affected businesses and residences in the industrial zone and large portions of the west side of the City.
Legislation	Is the project required for legislative/regulatory compliance?	5	This is required by the building code and the City's Backflow Prevention Bylaw
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	Backflow preventers had not been previously identified on the plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Failure to do this could result in costly impacts in the event of future backflow events
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	The property owner ultimately must maintain the device after installation and this cost is therefore born by them.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	2	Not directly, however, there has been considerable media and Public communication to that end

Year: 2029

Trunk Main and Valve Chamber Maintenance 29N.12

Priority Score: 56.30

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:

	2029	2030	2031 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 100,000	$ 100,000	$ 200,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 100,000	$ 100,000	$ 200,000

Costs Incurred to 2028 Year End

Impact on Operating Budget $ 0 $ 0 $ 0

Total Project Budget: $ 400,000

Schedule:

Construction Start Date: 01/01/2025

Substantial Completion or purchase date: 12/01/2031

Funding Sources:

Water Rates	$ 400,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Several of the larger diameter watermains in the City's water system serve the purpose of "trunk" watermains (analogous to a tree trunk). These supply water to the grid of smaller diameter watermains, and consequently are key parts of the system. The valves on those watermains (Which are high pressure concrete mains) are located in chambers, and are not direct-buried. There are 8 such chambers on the Municipal Trunk Main, mostly 24" from 1970, and there are 14 such chambers on the Industrial Trunk Main, mostly 18" and 24", ranging in age from the late 1960's, to about 1990.

There are also 22 valve chambers which contain complex control valves (11) and check valves (11) which are key parts of the system, controlling water flow between pressure zones.

The rehabilitation of these valves usually involves the replacement of valves or valve components, or on occasion an entire valve if required. Rehabilitation of the actual chamber is not necessarily required. Often following the work, to clean the structure and component and replace corroded or broken parts, corrosion protection coatings and wraps to the pipe and fittings are applied within the chamber; labour by City forces. Full replacement of even one large diameter valve can cost a substantial portion of the allocated budget. Often this work is done in conjunction with, and in support of, other work (ie 10th St Bridge, and the Kenny Drain pond).

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Trunk Main and Valve Chamber Maintenance 29N.12

Priority Score: 56.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Failures of trunk mains can be catastrophic and even cause backflow events
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Failures of trunk watermain valves can also impact fire flows.
Legislation	Is the project required for legislative/regulatory compliance?	3	Safe Drinking Water Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	The trunk watermain valves are priority assets
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	If trunk watermain valves do not hold, they can have serious effects as was seen during the 10th St Bridge Project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	2	The property owner ultimately must maintain the device after installation and this cost is, therefore, born by them.
Environment	Does the project address needs impacted by climate change?	1	Little or no impact on environment as a result of the project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Not significant aesthetic impact
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A: Core Service
Public Input	Has the project been identified through public engagement?	1	Watermain projects of this nature are not

Year: 2029

Sewer Video Inspections

29O.1

Priority Score: 61.40

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 60,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 60,000	$ 0	$ 0

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 60,000

Schedule:

Construction Start Date:	01/01/2029
Substantial Completion or purchase date:	12/31/2029

Funding Sources:

Waste Water Rates	$ 60,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

In 2013/14 ,the majority of the wastewater collection system was TV inspected. This information helped guide rehabilitation efforts since that time. Some annual TV inspection has been done on an ad-hoc basis yearly, but more of the system should be inspected to ensure structural integrity and to guide future rehabilitation work.

Detailed and current condition information facilitates the following:

-Ensuring rehab/replacement monies are spent in the most efficient way possible by guiding prioritization of projects, and selection of rehabilitation strategy.

-uncovers sources of extraneous flow which exacerbates potential for sewage surcharge, backups and overflows and taxes the treatment system.

Attach Images: 25O.1.JPG

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Sewer Video Inspections 29O.1 Priority Score: 61.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	The TV Inspection area will be a significant portion of the City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	This is intended to enhance protection of the public health and safety by ensuring poor condition assets are monitored and/or replaced,ultimately reducing occurrences of sewage blockages and overflows.
Legislation	Is the project required for legislative/regulatory compliance?	5	Environmental Protection Act. Will ensure environmental approval compliance from MECP.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	This work will guide future replacement and rehabilitation, by providing detailed condition data for asset management purposes.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Operational Improvements have been realized via system rehab, ie manhole benching. By targeting asset rehabilitation on areas with high inflow and infiltration, system capacity and performance can be improved.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No opportunity for partnership or grant funding. Funded through wastewater rates.
Environment	Does the project address needs impacted by climate change?	2	Relevant factor for this project since flows can be associated with climate change, and reducing I/I will render the infrastructure more resilient to climate change-induced storm and snowmelt events.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The Project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	Asset has no aesthetic value (i.e. is underground, is not visible).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	Project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	Has not been identified by the public.

Year: 2029

Collection System Capital Reinvestment 29O.2

Priority Score: 61.60

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:

	2029	2030	2031 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 350,000	$ 350,000	$ 700,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 350,000	$ 350,000	$ 700,000

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 1,400,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Waste Water Rates	$ 1,400,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This project is to continue with the rehabilitation of the sanitary sewer infrastructure with a focus on sanitary sewers, as well as manhole rehabilitation. This rehabilitation will be conducted through “cured in place pipe” (CIPP) technology. The city is planning to re-tender a 3 year contract to continue to rehabilitate sanitary sewer and manholes.

Specific locations and privatization is expected to change based on operational input, inspection programs, other infrastructure renewal project, etc.

Attach Images:

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Collection System Capital Reinvestment 29O.2

Priority Score: 61.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This would typically affect people in the project area which is usually one block at a time. But the program is City-wide
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	Sewer bypasses from collapsed sewer have resulted.
Legislation	Is the project required for legislative/regulatory compliance?	3	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This has been identified in the 10 year plan, as part of a multi-year program.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Sewer backups consume considerable public sector and private sector resources.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No
Environment	Does the project address needs impacted by climate change?	3	Wet weather flows are now more frequent; this is a somewhat relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	None
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

Stormwater Separation Program 29O.3

Priority Score: 54.40

Project Type:	Rehabilitation	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Manager of Public Works
Future Replacement Cost:	Enter Replacement Cost & Year of Replacement	**Location/Coordinates:**	Various

Cash Flow Projection:	2029	2030	2031 +
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 25,000	$ 25,000	$ 25,000
Materials			
Equipment/Misc			
Contingency			
Total	$ 25,000	$ 25,000	$ 25,000

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget $ 0

Total Project Budget: $ 75,000

Schedule:

Construction Start Date: 01/01/2029

Substantial Completion or purchase date: 12/31/2029

Funding Sources:

Waste Water Rates	$ 75,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Inflow and infiltration reduction works (aka stormwater separation) are undertaken with the funds set aside for this program and can include separation of stormwater catchbasins, public or private, which contribute to the extraneous flows, roof leader and sump pump diversion, and other works selected on a priority basis to reduce inflow and infiltration.

More details and specific project will be identified closer to execution date

Attach Images: 16O.4.JPG

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

Stormwater Separation Program 29O.3

Priority Score: 54.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	3	This would affect the local serviced area
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Combined Sewer Overflows are a consequence of stormwater connections
Legislation	Is the project required for legislative/regulatory compliance?	3	Ontario Water Resources Act
Asset Management	Is the project a high priority for replacement in the asset management plan.	3	This is an ongoing program in the 10 year plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Combined Sewer Overflows are a result of stormwater connections, but also very high flows in the system can result in surcharging of the system which results in sewer backups during very high-flow events.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No
Environment	Does the project address needs impacted by climate change?	4	Wet weather flows are now more frequent; this is a very relevant factor for this project
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	None
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	N/A : Core Service
Public Input	Has the project been identified through public engagement?	1	None

Year: 2029

3rd Avenue East - 14th St E to 18th St E - Phase 3 — 29P.1

Priority Score: 56.30

Project Type:	Replacement	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50 years - road, 80 to 100 years - w	**Staff Contact:**	Chris Webb
Future Replacement Cost:	2080 ($3.6M) road, 2130 ($38.6M) water & waste	**Location/Coordinates:**	3rd Ave E - 14th St E to 18th St E

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering	$ 20,000	$ 20,000	$ 10,000
Design or Engineering	$ 580,000	$ 250,000	$ 50,000
Communication / Signage			
Construction / Contractor		$ 5,000,000	
Materials			
Equipment/Misc			
Contingency		$ 730,000	
Total	$ 600,000	$ 6,000,000	$ 60,000

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 6,660,000

Schedule:

Construction Start Date:	04/01/2030
Substantial Completion or purchase date:	11/30/2030

Funding Sources:

OCIF Formula	$ 1,332,000
Water Rates	$ 2,664,000
Waste Water Rates	$ 2,664,000
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This is the third phase of a proposed three phase project that involves reconstructing 3rd Avenue East from 10th Street East to 18th Street East.

The third phase is the 14th Street East to 18th Street East segment.

This project will be coordinated in conjunction with the County of Grey Road reconstruction. This project will include reconstruction of 3rd Avenue East roadway, replacing all the failing municipal underground infrastructure and fully reconstructing curbs/gutters and sidewalks.

The costs shown are for City related costs only. This includes watermain, sanitary sewer, sidewalk replacement, existing storm sewer replacement or new construction water replacement (cost shared by City and County) and boulevard landscaping including planting new trees.

Not included are the County's costs such as road reconstruction, curb and gutter replacement, partial stormwater cost.

The costs shown in the 2031 column are the total costs for 2031 and 2032.

Attach Images: 3rd Avenue East-Grey Road 15 - 14th St E to 18th St E - Phase 3.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

3rd Avenue East - 14th St E to 18th St E - Phase 3 **29P.1** **Priority Score:** **56.30**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	It is estimated that 5,000 to 9,999 people will be directly impacted as a result of this project. This includes the local residents and businesses as well as the travelling public.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	1	Minor injuries may result if the project does not proceed due to sidewalk trip hazards.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	4	There is a high probability of failure of underground services with moderate consequences.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Replacing the underground and surface infrastructure will result in operational cost savings related to attending to sidewalk trip hazards, road patching and repairs, sewer blockages and repairs and watermain break avoidance.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	3	The project has confirmed OCIF funding at less than 50% of the cost, plus includes a partnership cost component with Grey County.
Environment	Does the project address needs impacted by climate change?	3	The project will slightly improve the natural environment and prevent further detriment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	The project maintains an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	4	The project will improve the aesthetic value of the street scape by replacing the road and sidewalk with enhancements including tree planting.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The projecy supports core service delivery.
Public Input	Has the project been identified through public engagement?	2	The project has been mentioned informally through public comments.

Year: 2029

10th St E - Upper South Side Retaining Wall Rehabilitation

29P.2

Priority Score: 48.20

Project Type:	Rehabilitation	**Priority Level:**	Moderate
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	80	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$1.5M (2110)	**Location/Coordinates:**	South side of 10th St E between 5th A

Cash Flow Projection:

	2029	2030	2031
Studies			
In House Engineering	$ 5,000	$ 3,000	
Design or Engineering	$ 35,000	$ 20,000	$ 10,000
Communication / Signage			
Construction / Contractor		$ 277,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 40,000	$ 300,000	$ 10,000

Costs Incurred to 2028 Year End $ 0

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 350,000

Schedule:

Construction Start Date:	06/01/2030
Substantial Completion or purchase date:	08/30/2030

Funding Sources:

Tax Levy	$ 51,000
Grant	$ 299,000
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The 10th St E - Upper South Side Retaining Wall is located on the south side of 10th Street East between 5th Avenue East and 6th Avenue East. This section of retaining wall was constructed in 1975.

Sections of the wall are showing signs of rotation/tipping due to possible foundation or footing failure along with joint failures and other minor issues such as concrete spalling, cracking, failing drainage channels and over vegetation that may be adding to this failure.

This project will investigate the stability of the retaining wall and any sections of the retaining wall that may need to be replaced and repaired to extend the service life of this structure.

Cost shown in 2031 is for the two-year maintenance period in 2031 and 2032.

The grant portion of the funding assumes Connecting Link funding at 90% of eligible costs will be secured. In-house Engineering and costs incurred in 2031 and 2032 are assumed to be ineligible costs.

Attach Images: 10th Street East Upper South Side Retaining Wall picture.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

10th St E - Upper South Side Retaining Wall Rehabilitation	29P.2	Priority Score:	48.20

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	It is expected that over 10,000 motorists will be impacted as a result of this project
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Without further investigation of the causes of this failure the retaining wall may tip or not adequately support the slope behind it
Legislation	Is the project required for legislative/regulatory compliance?	4	The replacement will meet minimum maintenance legislation requirements
Asset Management	Is the project a high priority for replacement in the asset management plan.	2	The retaining wall is showing signs of movement but should be addressed in a timely manner to prevent additional costs
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	There will be little or no effect on current operations as a result of the project.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	4	This project may be eligible for funding through the Connecting Link funding programme at 90% subsidy. The project would proceed with CL funding secured.
Environment	Does the project address needs impacted by climate change?	1	There will be little or no impact on environment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	The project will have no direct impact on public
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	1	The project has no aesthetic value
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2029

17th Street East Road Construction - 20th Ave E (south leg) to 20th Ave E (north leg)

29P.3

Priority Score: 21.80

Project Type:	New Asset	**Priority Level:**	Moderate
Growth Related?:	Yes	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50 years	**Staff Contact:**	Chris Webb
Future Replacement Cost:	2079 ($1.6M)	**Location/Coordinates:**	17th St E - 2000 block

Cash Flow Projection:	2029	2030	2031
Studies			
In House Engineering			
Design or Engineering			
Communication / Signage			
Construction / Contractor	$ 600,000		
Materials			
Equipment/Misc			
Contingency			
Total	$ 600,000	$ 0	$ 0

Costs Incurred to 2028 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 600,000

Schedule:

Construction Start Date:	05/01/2029
Substantial Completion or purchase date:	11/30/2029

Funding Sources:

Development Charges	$ 60,000
Donations	$ 540,000
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

This project identifies the City's contribution from the Development Charges fund towards the growth related cost (10%) of constructing the 17th Street East road between the north and south legs of 20th Avenue East within the existing road allowance. This is a proposed future City (public) road that will be constructed to provide access to development lands on the north and south side of the subject road.

The cost estimate is based on the road being constructed to an industrial park cross-section (roadside ditches). There are existing trunk water and sanitary sewer mains in this unopened road allowance which is also accommodating the existing paved Industrial Park Cycling Trail. The cycling trail would be replaced with paved shoulders for active transportation use, as is the norm elsewhere in the City's Industrial Park.

The total cost shown is the estimated cost of the project that would be 90% funded by Developer(s) on the north and south side of 17th Street East. The 90% developer contribution is indicated as "Donations" under Funding Sources. This funding and the construction of the road would be secured through a Servicing Agreement between a Developer and the City. The City would fund its share (10%) from the DC reserve.

It should be noted that the City may have to "front-end" a portion of the Developers' contribution and recover this cost from other future development on one side of 17th Street East. It is unknown at this time when this road will be constructed but is being "place held" in 2029.

Attach Images: 17th Street East Road Construction picture.pdf

Opens the attachment panel. Double click files to view images attached. Maximum Size: 10MB

17th Street East Road Construction - 20th Ave E (south leg) to 20th Ave E (north leg) **29P.3** **Priority Score: 21.80**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	2	1,000 to 2,499 people will be directly impacted as a result of this project. This is based on estimated numbers of the driving public in the City using this road.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	0	The project will only proceed based on development in this area of the City. If the development and project does not proceed, there is no quantifiable impact on health and safety.
Legislation	Is the project required for legislative/regulatory compliance?	1	There is no known legislative/regulatory compliance requirement.
Asset Management	Is the project a high priority for replacement in the asset management plan.	0	The project is a new asset and is not included in an asset management plan.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	0	The project will require additional operational resources.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	3	The project would have confirmed partnership funding, if advanced.
Environment	Does the project address needs impacted by climate change?	0	The project may be seen as a detriment to the natural environment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	The project does not eliminate an existing public space.
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	The project does not impact the aesthetic value of the existing asset (road).
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	The project supports an Objective in the Strategic Plan.
Public Input	Has the project been identified through public engagement?	0	The project has not been identified by the public.

Year: 2029

Intersection and Traffic Signal Upgrading – 10th St W and 8th Ave W

2029-01 (29Q.1)

Priority Score: 61.20

Rationale	Asset Management - Replacement	**Priority Level:**	High - Score 49-69
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	30	**Staff Contact:**	
Future Replacement Cost:	$1,400,000.00	**Location/Coordinates:**	10th Street West at 8th Avenue West

Description and Rationale:

Asset Management - Replacement - This project involves acquiring property on the south-west quadrant of the intersection to provide daylighting and widening the south side of the 10th Street West road allowance and west side of the 8th Avenue West road allowance at the intersection. This property acquisition would allow for long wheel base vehicles (school buses) to turn more safely and efficiently to reduce congestion at this intersection during weekday traffic peak hour periods. The property acquistion and intersection geometric design will be completed in 2025.

Construction in 2026 will involve constructing a larger curb radius on the south-west corner of the intersection, widening the southbound lane on 8th Avenue West, replacing the sidewalk ramps with AODA compliant ramps. All of the existing wood or utility poles and stranded steel cable that supports traffic signals will be replaced as this type of construction is considered temporary. It is prone to wind loading stresses that results in frequent adjustments and excessive repairs and maintenance. The traffic signals will be supported by conventional mast arms, steel poles and concrete bases.

This upgraded intersection upgrading is subject to MTO approval as it on the Highway 6/21 Connecting Link. Traffic signal replacement is not eligible for Connecting Link grant funding, at the present time. Depending on cost, the geometric improvements' construction cost may be eligible for Connecting Link funding. As the City has 3 Connecting Links (4 Provincial Highways), it is eligible to submit funding for up to 2 projects at a time. This application could be coordinated with the 16th Street East Tunnel Rehabilitation application for Connecting Link funding.

Cash Flow Projection:	**2029**	**2030**	**2031**
Consulting including Design & Studies	$75,000.00	$4,500.00	$15,000.00
In House Engineering	$5,000.00	$5,000.00	$5,000.00
Communication / Signage			
Construction / Contractor		$420,000.00	
Materials			
Equipment Purchases			
Contingency			
Total	$80,000.00	$429,500.00	$20,000.00
Costs Incurred to 2028 Year End		**$0.00**	
Impact on Operating Budget:	**$0.00**	**$0.00**	**$0.00**
Total Project Budget:		**$529,500.00**	

Schedule:

Construction Start Date:	01/01/2029
Substantial Completion or	

Purchase Date:	12/31/2032

Funding Sources:

Tax Levy	$529,500.00
Total	$529,500.00

Year: 2029

Intersection and Traffic Signal Upgrading – 10th St W and 8th Ave W

2029-01 (29Q.1)

Priority Score: 61.20

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Based on the 2016 traffic counts, this intersection has an AADT of 12,000 average vehicles per day on average which would indicate over 20,000 persons per day including passengers in cars, trucks, buses as well as pedestrians and cyclists.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	The current volume of traffic and pedestrian activity in the area with the current intersection layout may cause accidents to occur due to the existing layout not providing the safest bus and truck turning movements and pedestrian crossings.
Legislation Score	Is the project required for legislative/regulatory compliance?	4	The project is required to bring the intersection into a recognised current engineering design standard including geometric design and signals spewcifications. The intersection is not AODA compliant.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	5	The present traffic signal configuration is outdated and deficient. The geometrics are inadequate. The system is well past its expected and useful service life.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Operational efficiencies will be achieved by upgrading the signal poles and eliminating the cable span suspension that is prone to wind loading damage and the poles should be relocated to provide adequate clearance. A City snow plough clipped one of poles during the winter of 2024/2025 causing significant damage, traffic delays and an multi-day outage.
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	2	This project may be a candidate for MTO Connecting Link funding at 90% of eligible costs1.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	1	This project will have little or no impact on the environment.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	2	This project will improve the drivability of the intersection and reduce delays and driver frustration as well as improve the accessibility of the pedestrian crosswalks.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?		There will be a minor improvement in the aesthetic value of the intersection with the installation of new poles and removal of the overhead cable spans.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input Score	Has the project been identified through public engagement?	2	This upgrading has been identified and noted by bus drivers and pedestrians.

Year: 2030

Bulk Water Fill Station

30N.1

Priority Score: 58.90

Project Type:	New Asset	**Priority Level:**	High
Growth Related?:	Partial	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	Bryce McDonald
Future Replacement Cost:		**Location/Coordinates:**	

Cash Flow Projection:

	2030	2031	2032
Studies			
In House Engineering			
Design or Engineering	$ 50,000		
Communication / Signage			
Construction / Contractor		$ 200,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 200,000	$ 0

Costs Incurred to 2029 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 250,000

Schedule:

Construction Start Date:

Substantial Completion or purchase date:

Funding Sources:

Water Rates	$ 250,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

The installation of a new bulk water fill station would allow for 24/7 operation and eliminate congestion and conflicts at the operations yard. The fill station would also provide improved customer service through accessibility and fill rate speed, increase water revenues, promote development, prevent unauthorized hydrant usage and improve local water quality. The current bulk water fill station that is located at the operations yard creates operational challenges due to traffic and congestion, fill line sizing and hours of operation.
The new skid mount preassembled fill station would ideally be located in commercial/industrial area with easy access for large, construction type equipment.
Careful consideration will need to be given on location to ensure sufficient water supply, sewer availability and traffic flows are considered.

2030 - Feasibility and Design
2031 - Supply and Install

Attach Images:

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Bulk Water Fill Station

30N.1

Priority Score: **58.90**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This service primarily benefits contractors but has an indirect benefit to all residents when it come to accessing bulk water for a variety of purposes including construction, events, pool filling, drinking water cisterns and other.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Traffic congestion and control is a concern at the Public Works yard. Relocation of this service will allow for proper/safe vehicle staging and filling.
Legislation	Is the project required for legislative/regulatory compliance?	4	Modernized air gap fill system will eliminate cross contamination risk associated with truck hose connections.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	I don't believe this asset is currently identified, but will be include in future capital needs assessment.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	Failure to proceed with modernizing and relocating the bulk water fill station will have significant impacts on both the water distribution crew and public works crew. Current congestion and traffic flow negatively impacts operations.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	Not that I am aware of at this time.
Environment	Does the project address needs impacted by climate change?	3	The responsible supply and management of fresh water is becoming more critical with climate change. This project will allow for more responsible management of that resource.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	1	Creates greater accesses to bulk water
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	2	Create a modernized, professional customer service point.
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	Service Excellence - Delivers a level of customer service expected by a municipality of our size
Public Input	Has the project been identified through public engagement?	0	No as of yet.

Year: 2030

WTP Storage Facility

30N.2

Priority Score: 59.20

Project Type:	Please Select	**Priority Level:**	High
Growth Related?:	No	**Department:**	Please Select
Estimated Useful Life (years):		**Staff Contact:**	
Future Replacement Cost:		**Location/Coordinates:**	

Cash Flow Projection:	2030	2031	2032
Studies			
In House Engineering			
Design or Engineering	$ 50,000		
Communication / Signage			
Construction / Contractor		$ 150,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 150,000	$ 0

Costs Incurred to 2029 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 200,000

Schedule:

Construction Start Date:

Substantial Completion or purchase date:

Funding Sources:

Water Rates	$ 200,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

With many modification and additions over the years adequate storage has become limited. As more equipment and components get shoe-horned into spaces they were not originally designed to be placed staff are running out of space for maintenance workshop, critical parts, chemicals and emergency supplies. On-site storage is critical for efficient, safe operations. Having a dedicated space that will not be overtaken by process equipment is crucial for sustained safe operations.

2030- Location selection, site prep and design
2031- Construction

Attach Images:

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WTP Storage Facility

30N.2

Priority Score: 59.20

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	The entire population many be affected if we fail to store critical parts and supplies on-site that could result in a plant shut-down as we source supplies.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	There is a significant H&S risk related to the improper storage of parts and materials. From hazardous or dangerous goods to general housekeeping to prevent trips and fall organized storage is critical for operations
Legislation	Is the project required for legislative/regulatory compliance?	3	Under the Safe Drinking Water Act we are required to keep the drinking water system in a fit state of repair. Part of that is ensure we maintain adequate supplies in case of emergency.
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	Not specifically identified, but limited space has been noted.
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	5	As previously mentioned this project is critical for operational continuity and ensuring adequate resources in case of emergency.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	Not that I am aware of
Environment	Does the project address needs impacted by climate change?	3	Potentially. With climate change come more severe weather events resulting in stresses on our treatment plant processes. Have adequate storage space will allow for more emergency supplies.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	N/A
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	0	N/A
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	Service Excellence. Being a to provide a more reliable treatment process and supply.
Public Input	Has the project been identified through public engagement?	0	Not as of yet.

Year: 2030

27th St. Generator

30O.1

Priority Score: 50.80

Project Type:	New Asset	**Priority Level:**	High
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	25	**Staff Contact:**	Bryce McDonald
Future Replacement Cost:		**Location/Coordinates:**	

Cash Flow Projection:

	2030	2031	2032
Studies			
In House Engineering			
Design or Engineering	$ 50,000		
Communication / Signage			
Construction / Contractor		$ 200,000	
Materials			
Equipment/Misc			
Contingency			
Total	$ 50,000	$ 200,000	$ 0

Costs Incurred to 2029 Year End

Impact on Operating Budget	$ 0	$ 0	$ 0

Total Project Budget: $ 250,000

Schedule:

Construction Start Date:

Substantial Completion or purchase date:

Funding Sources:

Waste Water Rates	$ 250,000
Please Select	
Please Select	
Please Select	
Please Select	
Capital Reserve	$ 0

Description and Rationale:

Sewage lift stations are critical wastewater infrastructure used to move sewage from lower elevations to higher elevations. Often critical times for this infrastructure is during inclement weather when hydro outages are a higher concern. The installation of a standby generator would ensure reliable operations during power outages reducing the likelihood of by-pass incidents.

2030 - Budget used for preliminary design, sizing, acoustic and dispersion modeling

2031 - Supply and install

Attach Images:

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27th St. Generator

30O.1

Priority Score: **50.80**

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Although the catchment zone for the pump station is relatively small the impacts of by-pass events have the potential to affect many
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	By-pass event present a significant public health risk
Legislation	Is the project required for legislative/regulatory compliance?	3	A generator would likely reduce our by-pass events and elevate regulatory reporting and further legal issues
Asset Management	Is the project a high priority for replacement in the asset management plan.	1	No, but it adds a critcal component to an existing asset
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Generator will need to be maintained and ran monthly for testing. Low hours of operation are expected, so maintenance cost should be minimal.
Financing	Can the cost of investment be leveraged or are there partnership funds available?	0	Not that I am aware of.
Environment	Does the project address needs impacted by climate change?	5	Yes, climate change has drastically impacted the number of severe weather events we see. This will make our system more resilient and minimize by-pass events to the natural environment.
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	0	No
Aesthetic Value	To what degree is the aesthetic value of the asset improved?	0	No
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	3	This project aligns with both "Green City" and "Service Excellence"
Public Input	Has the project been identified through public engagement?	1	No

Year: 2030

Annual Roads Rehabilitation Program

2030-19 (30P.1)

Priority Score: 80.90

Rationale	Asset Management - Renewal / Rehabilitation	**Priority Level:**	Very High - Score 70+
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	30	**Staff Contact:**	
Future Replacement Cost:	$1,700,000.00	**Location/Coordinates:**	City of Owen Sound

Description and Rationale:

Asset Management - Renewal / Rehabilitation - Annual program to rejuvenate hot mix asphalt surfaces and maintain the expected service life of roads throughout the City. The project also includes the replacement or rehabilitation of concrete structures associated with asphalt resurfacing including catch basins, maintenance structures, curb, gutter and sidewalks.

Cash Flow Projection:	**2030**		
Consulting including Design & Studies			
In House Engineering	$25,000.00		
Communication / Signage			
Construction / Contractor	$625,000.00		
Materials			
Equipment Purchases			
Contingency	$50,000.00		
Total	$700,000.00	$0.00	$0.00

Costs Incurred to 2029 Year End	**$0.00**

Impact on Operating Budget:	**$0.00**		

Total Project Budget:	**$700,000.00**

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2030

Funding Sources:

Federal Gas Tax	$700,000.00
Total	$700,000.00

Year:	2030

Annual Roads Rehabilitation Program

2030-19 (30P.1)

Priority Score: 80.90

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	Roads being resurfaced will improve local and commuter traffic throughout the City and generally benefits all road users.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	4	Injuries may result if roads are not resurfaced from drivers or cyclists avoiding potholes or other defects in the road.
Legislation Score	Is the project required for legislative/regulatory compliance?	4	The City has minimum maintenance standards it is required to meet.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	5	This project is included in the City's AMP. Failure to seal roadway surfaces can impact infrastructure under the road, decreasing the life of multiple assets.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Road resurfacing will reduce operational costs associated with road repairs (i.e. filling potholes).
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	5	This project is funded by Federal Gas Tax.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	2	Minor positive impact will be realised from this project due to improved drainage and fuel/energy consumption.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	4	The project may include minor sidewalk replacement and will improve cycling experience, both of which improve active transportation opportunities.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	3	An improved roadway appearance improves the driver experience and gives a better impression of the community to visitors and prospective businesses.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	4	This project is identified in the strategic p[lan - to improve the condition of City roads.
Public Input Score	Has the project been identified through public engagement?	4	The condition of City roads is always a high priority of road users and the travelling public.

Year: 2030

Moores Hill Road and Retaining Walls- Reconstruction

2030-04

Priority Score: 45.50

Rationale	Asset Management - Replacement	**Priority Level:**	Moderate - Score 21-48
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	75	**Staff Contact:**	Chris Webb
Future Replacement Cost:	$22,500,000.00	**Location/Coordinates:**	Moores Hill - 2nd Avenue West to 4th Avenue West

Description and Rationale:

Asset Management - Replacement - This project involves the reconstruction of the road and adjacent earth retaining walls. It also includes the replacement of the existing sidewalk, possible improvements to the geometry of the 2nd Avenue West and 4th Avenue West intersections and pedestrian crossings, streetlighting improvements, replacement of the existing storm sewer and associated storm water management infrastructure under Moores Hill road and replacement of the existing watermain and sanitary sewer on 2nd Avenue West within the limits of construction.

The existing retaining walls are gabion basket stone-filled structures that have shown signs of constant gradual movement and deterioration that is causing continual problems with road buckling and repairs on the south side of the road and gabion basket encroachment and repairs into the sidewalk on the north side. These structures would be replaced with reinforced concrete retaining walls or an "engineered" stable slope design with proper surface and sub-drainage systems to assist in managing problematic groundwater and seepage.

Cash Flow Projection:	**2030**	**2031**	**2032**
Consulting including Design & Studies	$200,000.00	$190,000.00	$12,000.00
In House Engineering	$20,000.00	$10,000.00	$3,000.00
Communication / Signage			
Construction / Contractor		$1,600,000.00	
Materials			
Equipment Purchases			
Contingency		$200,000.00	
Total	$220,000.00	$2,000,000.00	$15,000.00
Costs Incurred to 2029 Year End		**$0.00**	
Impact on Operating Budget:	**$0.00**	**$0.00**	**$0.00**
Total Project Budget:		**$2,235,000.00**	

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2033

Funding Sources:

Tax Levy	$2,220,000.00

Water Rates	$172,000.00
Waste Water Rates	$58,000.00
Total	$2,450,000.00

Year: 2030

Moores Hill Road and Retaining Walls- Reconstruction

2030-04

Priority Score: 45.50

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	Based on 2016 traffic counts, approximately 2,500 vehicles travel on Moores Hill daily. Including an assumed 200 pedestrians using the sidewalk and two persons per vehicle, this equates to approximately 5,200 persons relying on this transportation link every day.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Multiple injuries may result if the project does not proceed. The slope stability is a concern in this area. There is movement taking place as evidenced by the embankment or existing gabion baskets encroaching on the road and sidewalk, respectively.
Legislation Score	Is the project required for legislative/regulatory compliance?	1	There is no legislation mandating this project.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	3	There is a moderate probability of failure with moderate consequences. This project involves replacing three classes of critical infrastructure - roadway, sidewalks and retaining walls.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Operational efficiencies will be achieved by reducing the required repairs to the road as a result of slope movement causing buckling road surfaces, sidewalk encroachment by the gabion baskets that have to be adjusted and repaired regularly and the impairment of winter control activities (inadequate sidewalk width).
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	1	There is no opportunities for partnership or grant funding at the present time but future funding opportunities may be possible.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	2	This project will slightly improve the natural environment and prevent further damage to the environment.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	2	The project will maintain an existing public space. The project will involve replacing and widening the sidewalk to enable snow storage and improved accessibility, thereby encouraging pedestrian and possible other active transportation usage.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	3	The upgraded retaining walls, roadway and sidewalk will have an improved appearance.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input Score	Has the project been identified through public engagement?	2	The condition of Moores Hill has been noted informally by some members of the public as requiring some upgrading.

Year: 2030

Conventional Streetlight Replacement Program

2030-20 (30Q.1)

Priority Score: 60.30

Rationale	Asset Management - Replacement	**Priority Level:**	High - Score 49-69
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	50	**Staff Contact:**	
Future Replacement Cost:	$232,000.00	**Location/Coordinates:**	City of Owen Sound

Description and Rationale:

Asset Management - Replacement - This funding is required to replace or install new conventional streetlight poles and luminaires throughout the City.

Among their projects in 2023-2025, Hydro One advised that they wish to replace their "poletrans" equipment. Poletrans are streetlight poles with electrical distribution step-down transformers in them. Most of these units are located in the south-west and south-east quadrants of the City. The poletrans would be replaced with conventional vault mounted transformers. This results in the City having to install new streetlight poles.

Poletrans were specified during 1960s and 1970s era residential subdivision developments. They eliminated the need for a separate vault mounted transformer but with the close confines of having 2400 VAC single phase primary supply and multiple 120/240 VAC secondary services connected and housed within the base of a streetlight pole, they pose an increased work safety risk. This type of equipment is obsolete and no longer specified.

In the event Hydro One does not replace poletrans, the City will replace or install new conventional streetlights and poles.

Cash Flow Projection:	**2030**		
Consulting including Design & Studies			
In House Engineering	$3,000.00		
Communication / Signage			
Construction / Contractor	$50,000.00		
Materials			
Equipment Purchases			
Contingency			
Total	$53,000.00	$0.00	$0.00

Costs Incurred to 2029 Year End	**$0.00**

Impact on Operating Budget:	**$0.00**

Total Project Budget:	**$53,000.00**

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2030

Funding Sources:	
Tax Levy	$53,000.00
Total	$53,000.00

Year: 2030

Conventional Streetlight Replacement Program

2030-20 (30Q.1)

Priority Score: 60.30

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This improves lighting quality, reliability, safety and security of City residents and visitors.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	3	Modest improvements to health and safety will be realised due to improved lighting in all areas of the City.
Legislation Score	Is the project required for legislative/regulatory compliance?	3	This project will ensure that the City remains in compliance with MMS.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	3	Moderate probability of failure with low consequences.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	3	Minor improvements to operational performance is anticipated due to replacement of aging luminaires and light poles.
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	2	Funding is from reserves.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	1	This project will address climate change needs by replacing existing lighting with more energy efficient units.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	3	City streets that are well lit gives a sense of security, well-being and that the community infrastructure is well-maintained.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	3	The appearance of well-lit streets improves the aesthetic value of the commiunity.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	4	This project supports active transportation.
Public Input Score	Has the project been identified through public engagement?	3	Residents expect streetlights to be maintained and functional. Residents promptly report streetlight outages and expect rapid response. This is among the most important core services expected in an urban municipality.

Year: 2030

Vehicle Detection Installation (Traffic Signals)

2030-21 (30Q.2)

Priority Score: 45.60

Rationale	Asset Management - Replacement	**Priority Level:**	Moderate - Score 21-48
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	10	**Staff Contact:**	
Future Replacement Cost:	$54,000.00	**Location/Coordinates:**	City of Owen Sound

Description and Rationale:

Asset Management - Replacement - This annual project replaces and upgrades existing vehicle detection systems at intersections that have traffic signals to improve the reliability and accuracy of vehicle detection. Existing detection systems include hard wired loops and wireless RF detectors embedded in the road asphalt that perform well but are subject to deterioration and failure after approximately 5 to 10 years, depending on a number of factors. When they fail, a traffic signal that normally rests on green for the main street (with higher traffic volumes) will go into continuous recall mode and the signals "cycle" regardless of side street vehicle presence until the detector is replaced. This results in unnecessary delays and driver frustration. New technologies such as digital video cameras and programmable detection zones offer increased reliability, adaptability and flexibility plus, instead of taking manual counts, they can continuously capture and record traffic (including vehicle types) and pedestrian data to be used as input for traffic and pedestrian signal analysis in order to optimise signal timing and/or improve intersection safety.

The annual budget cost indicated is sufficient to upgrade or convert one intersection from an embedded pavement system to a camera-based system or install real time data capturing system for a number of intersections that can be used to update signal timing continuously, depending on the intersection location and requirements.

Cash Flow Projection:	**2030**		
Consulting including Design & Studies			
In House Engineering	$3,000.00		
Communication / Signage			
Construction / Contractor	$37,000.00		
Materials			
Equipment Purchases			
Contingency			
Total	$40,000.00	$0.00	$0.00
Costs Incurred to 2029 Year End	**$0.00**		

Impact on Operating Budget:	**$0.00**	**$0.00**	**$0.00**

Total Project Budget:	**$40,000.00**

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2030

Funding Sources:

Tax Levy	$40,000.00
Total	$40,000.00

Year: 2030

Vehicle Detection Installation (Traffic Signals)

2030-21 (30Q.2)

Priority Score: 45.60

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This project will provide significant improvements to vehicular traffic flow throughout the City.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Minor health and safety benefits are expected due to this project.
Legislation Score	Is the project required for legislative/regulatory compliance?	4	The project assists in meeting MMS compliance.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	3	Moderate probability of failure with low consequences (inconvenience and inefficiency) are anticipated if the project does not proceed.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Moderate operational performance improvement is anticipated when detection system are upgraded due to increased reliability and lower repair costs.
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	1	No funding opportunities are anticipated.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	1	The project will provide a minor benefit to the environment by reducing vehicle idling while waiting for traffic signals to change because an obsolete detection system is still being used.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	1	There may be a minor social benefit realised due to improved traffic signal functionaiity.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	1	There is no aesthetic value to this project.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input Score	Has the project been identified through public engagement?	1	City staff receive frequent complaints from drivers when traffic signal detection systems do not work properly.

Year: 2030

Accessible Pedestrian Signals Installation

2030-23 (30Q.3)

Priority Score: 42.70

Rationale	Asset Management - Replacement	**Priority Level:**	Moderate - Score 21-48
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	10	**Staff Contact:**	
Future Replacement Cost:	$54,000.00	**Location/Coordinates:**	City of Owen Sound

Description and Rationale:

Asset Management - Replacement - This is an annual programme to replace existing or install new Accessible Pedestrian Signals, as per AODA requirements, at intersections equipped with traffic signals.

Due to its relative infancy and use in colder climates, this technology is constantly evolving and improving. As well, it seems to be more susceptible to failure, damage, and possibly vandalism due to the size of the housing that is used for the actuation buttons, and, to date, has to be replaced more frequently than conventional pedestrian signal systems.

The cost indicated in the budget is sufficient to completely replace or install a new APS at one intersection.

Cash Flow Projection:	**2030**		
Consulting including Design & Studies			
In House Engineering	$3,000.00		
Communication / Signage			
Construction / Contractor	$37,000.00		
Materials			
Equipment Purchases			
Contingency			
Total	$40,000.00	$0.00	$0.00

Costs Incurred to 2029 Year End	**$0.00**

Impact on Operating Budget:	**$0.00**	**$0.00**	**$0.00**

Total Project Budget:	**$40,000.00**

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2030

Funding Sources:

Tax Levy	$40,000.00
Total	$40,000.00

Year: 2030

Accessible Pedestrian Signals Installation

2030-23 (30Q.3)

Priority Score: 42.70

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	4	This project supports accessibility and active transportation by upgrading and/or replacing accessible pedestrian signals at intersections or controlled pedestrian crossings with an existing traffic controller and signals throughout the City.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	This project will provide some improvements in safety by updating and replacing obsolete or failed accessible pedestrian signals.
Legislation Score	Is the project required for legislative/regulatory compliance?	4	This project supports continued compliance with AODA and MMS.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	3	Moderate probability of failure with low consequences are anticipated due to aging or obsolescent equipment.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	1	Few benefits to current operations are anticipated but replacement of this equipment will improve reliability and reduce calls for service and therefore reduce operational costs.
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	1	Few funding opportunities are anticipated but some intersections on Connecting Links may be eligible for Connecting Link funding, including the installation of new or upgraded APS.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	2	This project supports active transportation by encouraging persons with disabilities to walk instead of driving or being driven to their destination.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	2	This project supports persons with disabilities to participate in active transportation.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	0	There is no aesthetic value for this project.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	1	This project supports core service delivery.
Public Input Score	Has the project been identified through public engagement?	2	This type of project is requested and supported by the public and AAC.

Year: 2030

Traffic Controller Replacement

2030-22 (30Q.4)

Priority Score: 58.40

Rationale	Asset Management - Replacement	**Priority Level:**	High - Score 49-69
Growth Related?:	No	**Department:**	Public Works and Engineering
Estimated Useful Life (years):	25	**Staff Contact:**	
Future Replacement Cost:	$84,000.00	**Location/Coordinates:**	City of Owen Sound

Description and Rationale:

Asset Management - Replacement - This is an annual budget to cover the cost to replace or upgrade traffic signal controllers. The City presently has 23 full traffic signal systems, 3 flashing signals and 4 pedestrian crossover signals at intersections or mid-block crossings with each having an expected service life of 25 years. With development and increasing traffic volumes, the number of signalised intersections is expected to increase. The average cost to replace a traffic signal controller and cabinet is $26,000 while a pedestrian crossover controller costs approximately $10,000. Based on the expected service life and number of controllers, the City should be replacing one controller every year.

Where new intersections are being developed in greenfield areas, consideration will be given to construct roundabouts instead of conventional intersections with traffic signals.

Cash Flow Projection:	**2030**		
Consulting including Design & Studies			
In House Engineering	$3,000.00		
Communication / Signage			
Construction / Contractor	$37,000.00		
Materials			
Equipment Purchases			
Contingency			
Total	$40,000.00	$0.00	$0.00

Costs Incurred to 2029 Year End	**$0.00**

Impact on Operating Budget:	**$0.00**	**$0.00**	**$0.00**

Total Project Budget:	**$40,000.00**

Schedule:

Construction Start Date:	01/01/2030
Substantial Completion or Purchase Date:	12/31/2030

Funding Sources:

Tax Levy	$40,000.00
Total	$40,000.00

Year:	2030

Traffic Controller Replacement

2030-22 (30Q.4)

Priority Score: 58.40

Justification for Matrix Values		Score 0 - 5	Justification / Rationale for Rating
People	How many people will be directly impacted by the project?	5	This project will provide benefits to a large portion of City residents and visitors.
Health & Safety Score	What is the risk to the health and safety of the public or Staff if the project does not proceed?	5	The project will provide a positive impact to traffic safety.
Legislation Score	Is the project required for legislative/regulatory compliance?	4	The project supports MMS.
Asset Management Score	Is the project a high priority for replacement in the asset management plan?	4	Moderate probability of failure with a moderate to high consequences associated with failure are anticipated due to aging equipment.
Operational Performance Score	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	2	Operational reliability will reduce repair costs.
Financing Score	Can the cost of investment be leveraged or are there partnership funds available?	1	OCIF funding may be applicable.
Environment Score	Environment ScoreDoes the project address needs impacted by climate change?	1	The project will have little or no impact on the environment.
Socio-Economic Factors Score	To what degree does the project support diversity and inclusion initiatives?	3	The project will have a moderate impact on the public when upgrades are made to accommodate the installation of Accessible Pedestrian Signals (APS) to meet AODA requirements which cannot be supported in some older controllers.
Aesthetic Value Score	To what degree is the aesthetic value of the asset improved?	1	There is little or no aesthetic value expected.
Strategic Plan Score	Does the project help to meet a Key Result in the Strategic Plan?	1	The project supports core service delivery.
Public Input Score	Has the project been identified through public engagement?	1	This project has very low recognition or understanding by the general public.