



SHAKER HEIGHTS

2023 Capital Budget
November 28, 2022

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SHAKER HEIGHTS

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City of Shaker Heights Capital Summary

	2023
Police Department - Equipment and Traffic Improvements	\$ 525,000
Fire Department - Equipment	\$ 1,575,000
Public Works Department - Equipment	\$ 705,000
Public Works Department - Streets	\$ 2,257,500
Public Works Department - Sewers	\$ 2,000,000
Public Works - Building Maintenance	\$ 2,897,000
Recreation Department - Equipment and Facilities	\$ 874,000
Information Technology Department - Hardware & Software	\$ 395,000
Planning Department - Capital Projects Design & Construction Match	\$ 250,000
Total Capital Summary	\$ 11,478,500

City of Shaker Heights Capital Sources & Uses

	General Capital Fund	Sewer Capital Fund	Sewer Maintenance Fund	Tree Assessment Fund	OWDA Loan	Total
Police Department	\$ 525,000					\$ 525,000
Fire Department	\$ 1,575,000					\$ 1,575,000
Public Works Department - Equipment	\$ 505,000		\$ 125,000 (C)	\$ 75,000 (D)		\$ 705,000
Public Works Department - Streets	\$ 2,257,500					\$ 2,257,500
Public Works Department - Sewers		\$ 2,000,000 (B)				\$ 2,000,000
Public Works Department - Facilities	\$ 1,497,000				\$ 1,400,000 (E)	\$ 2,897,000
Recreation Department	\$ 874,000					\$ 874,000
Information Technology Department	\$ 395,000					\$ 395,000
Planning Department	\$ 250,000					\$ 250,000
	\$ 7,878,500 (A)	\$ 2,000,000	\$ 125,000	\$ 75,000	\$ 1,400,000	\$ 11,478,500

(A) Funded with General Fund transfer of \$8.0 million in 2023.

(B) Funded by borrowings with debt service to be paid by sewer fees.

(C) Lease payments in Sewer Maintenance Fund for Street Sweeper and Sewer Jet Vac.

(D) Chipper funded out of Forestry budget within this fund.

(E) Funded by zero interest loan from Ohio Water Development Authority.

Police Department

	<u>2023</u>
Annual Replacement of Police Cruisers	\$ 325,000
Replacement of 60 TASERS, holsters and cartridges	110,000
Replace Signs, Poles and Signalization Repair	75,000
Bicycle Unit Training and Equipment	15,000
Total	<u>\$ 525,000</u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Police

Project Name: Annual Replacement of Police Cruisers

Project Location: Police Department

Project Description: Annual replacement of five to six police vehicles to provide for effective police response and long term cost savings.

Project Justification: Our annual fleet program has shown to provide long-term cost savings due to overall lower maintenance costs and fuel efficient vehicles.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$325,000

Source of Estimate: State Contract

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: Mfg. Warranty

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Vehicles not transferred to other departments will be traded in.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: Fuel and repair figures can be obtained from PW.

Can this item be shared with other municipalities? Yes No

If no, explain: City Owned Fleet Vehicles

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Police

Project Name: Replacement of 60 TASERS

Project Location: Police Department

Project Description: Replace 60 Tasers as well as purchase cartridges for qualification of officers.

Project Justification: Tasers are replaced on a 5 year cycle according to Manufacturer recommendations. Our Tasers were last purchased in 2018.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$110,000

Source of Estimate: Quote provided by AXON. Tasers are no longer offered on state contract.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: Mfg. 4 yr. warranty

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: We will try to auction or sell old inventory to other Law Enforcement Agency.

Estimated Annual Operating Cost: N/A

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: We do not allow other municipalities to share our weapons.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Police

Project Name: Replace Signs, Poles and Signalization Repair

Project Location: Police Department

Project Description: Replace and order new signage including poles and tools for installation. Purchase replacement parts for antiquated signalization system.

Project Justification: The City constantly is in need of sign replacement and improvements including poles. If replacement parts are not purchased for signalization system, traffic signals will not work.

Project Priority: 1 Low / 5 High 4

Mandates: MUTCD

Estimated Cost: \$75,000

Source of Estimate: Traffic Control Products (TCP), Pathmaster and Lightle Enterprises of Ohio

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: We don't share signs or signlization equipment with other cities.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Police

Project Name: Bicycle Unit Training and Equipment

Project Location: Police Department

Project Description: Bicycle Unit Training and Outfitting

Project Justification: To train new officers and replace those who have retired or resigned (14).

Project Priority: 1 Low / 5 High 3

Mandates: -

Estimated Cost: \$15,000

Source of Estimate: Trainer's Cost and Shuttler's

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: N/A

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: No asset is being replaced.

Estimated Annual Operating Cost: N/A

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: We do not share our bicycle equipment or uniforms with other municipalities.

Fire Department

	<u>2023</u>
Fire Engine (2003)	\$ 1,100,000
Rescue Squad (2014)	410,000
Fire Department Vehicle (2016)	55,000
Fire Department Fire Hose and Nozzle Inventory (Year 2 of 3)	10,000
Total	<u><u>\$ 1,575,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Fire

Project Name: Replacement of a 2003 Fire Engine

Project Location: Fire Department

Project Description: The purchase of a new fire engine replacing a 2003 Pierce fire engine.

Project Justification: The existing fire engine is approaching 20 years of service and is nearing the end of reliable service. Current production schedules have increased to a 3 year delivery time and significant price increases are occurring throughout the year. This purchase will allow us to secure 2023 pricing, and get on the production schedule for delivery in three years.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$1,100,000

Source of Estimate: Manufacturer Estimates

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Fire

Project Name: Replacement of a 2014 Rescue Squad

Project Location: Fire Department

Project Description: The purchase of a new rescue squad to replace a 2014 Horton rescue squad.

Project Justification: The existing rescue squad has over 105,000 miles and is experiencing an increasing amount of mechanical issues. The vehicle is quickly nearing the end of its reliable service life.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$410,000

Source of Estimate: Manufacturer Estimates

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Fire

Project Name: Fire Department Vehicle (2016)

Project Location: Fire Department

Project Description: Purchase of a 2023 vehicle as a continuing replacement schedule for the fire department's administrative fleet.

Project Justification: This project will serve to replace one of the administrative vehicles in the fire department fleet further enhancing the readiness of these vehicles. These vehicles are utilized throughout the days to perform administrative duties, along with responding on emergency calls for medium to larger incidents.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$55,000

Source of Estimate: State Term Schedule

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: _____

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Fire

Project Name: Fire Department Fire Hose and Nozzle Inventory (Year 2 of 3)

Project Location: Fire Department

Project Description: This project would be the 2nd installment of 3 for replacement of aging fire hose and nozzle inventory.

Project Justification: The Fire Department maintains a large inventory of front line and reserve fire hoses and nozzles. These hoses and nozzles are critical tools in fire suppression. The inventory is maintained and tested annually according to NFPA 1962. Much of this inventory is aging out of usable life. This capital project will look to replace old hose and nozzles in order to maintain an up to date standing supply of fire hoses and nozzles to place on our fire apparatus.

Project Priority: 1 Low / 5 High 5

Mandates: NFPA 1962

Estimated Cost: \$10,000

Source of Estimate: Manufacturer Estimates

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: _____

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

Public Works Department - Equipment

	<u>2023</u>
Parks and Public Land	
Mower New Holland No. 401 (2006) Electric	\$ 20,000
Brush Collection	
Leaf Vac No. 804 (2000)	\$ 85,000
Refuse Collection	
Scooter 104 - Diesel (2012)	\$ 45,000
Snow & Ice	
Dump Truck No. 26 (2000)	\$ 225,000
Terex Sidewalk Plow No. 908 (2014) (2)	110,000
Snow Plows (2) (2012)	20,000
Streets	
Street Sweeper (2013) Lease	\$ 65,000
Sewer Jet Vac Truck (2004) Lease	60,000
Tree Maintenance	
Chipper No. 702 (2000)	\$ 75,000
Total	<u><u>\$ 705,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: New Holland MC-28 (2006) - All Electric Purchase

Project Location: City Wide

Project Description: Mower #401 is a zero turn mowing unit that is used to maintain city properties. The high performance mower will help streamline cutting city greenspace in a safe and efficient manner. This purchase will be an Electric mower, the benefits of purchasing an all Electric Mower is that this unit will have zero emissions, low noise, zero fuel and projected lower maintenance cost.

Project Justification: Mowing unit exceeds normal life expectancy of 5 years. This unit is being replaced due to deteriorating physical condition. This mowing unit is used during the spring, summer and fall months. This unit improves the service in maintaining Shaker Heights greenspace and nuisance properties and lots.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$20,000

Source of Estimate: GreenWorks

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replacing older mower unit #401

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: Leaf Vac # 804 (2002 Tarrant Leaf Vac)

Project Location: City Wide

Project Description: The leaf vac performs work throughout the City during leaf season The unit is vital for the city leaf collection program. Performs picking up leaves off of tree lawns and city right-of-ways

Project Justification: Unit exceeds 10-year equipment replacement plan. The leaf vac maintains City streets and is an important piece of equipment to support our high level of service for residents.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$85,000

Source of Estimate: Bell Equipment

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replace older Unit # 804

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Public Works - Equipment

Project Name: Scooter – Diesel #104 (2011) Kubota RTV 1100

Project Location: City Wide

Project Description: Annual replacement of Scooters. The City replaces at least one scooter a year. Scooter are equipped with a split back dump bed to carry both rubbish/recycling from residents backyards to the refuse truck.

Project Justification: Unit 106 exceeds normal life expectancy and has a 7-year equipment replacement Plan. During daily operations as many as 10 scooters are out servicing homes.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$45,000

Source of Estimate: ABC Equipment

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replace with new vehicle.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Unit is custom built for daily refuse work 60/40 split recycling/refuse.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: Single Axle Dump Truck 26 (2000 International 4900) Replacement

Project Location: City Wide

Project Description: Truck 26 is a 2000 Unit used year round in various departments. This is a multiple purpose vehicle used daily for all types of City related work including streets, brush, snow and leaf collection

Project Justification: Unit exceeds normal 10 year life expectancy. Replacement of the unit is due to deteriorating physical condition and increased maintenance cost. The 2000 Single Axle body dump truck is used for brush/leaf season, moving road plates, hauling hot mix asphalt for street repairs and clearing and maintaining City streets during all snow and ice events.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$225,000

Source of Estimate: Freightliner

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replace with new vehicle.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: Terex 908 (2014 R190T) (2)

Project Location: City Wide

Project Description: The Terex (908) is a multi purpose plowing unit that is used to maintain city sidewalks. The high performance machine will plow sidewalks in a safe and efficient manner.

Project Justification: Unit exceeds normal life expectancy of 5 years. One unit is being replaced due to deteriorating physical condition. A third unit is being purchases due to need. This plow unit is used during the winter months. This unit improves the service in maintaining miles of sidewalks.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$110,000

Source of Estimate: Bobcat of Akron

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replacing older plow Unit No. 908

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: Snow Plows - Replacement

Project Location: City Wide

Project Description: Snow plows are 11' units used to clear a large amount of snow and ice from all city streets and parking lots. This plow is used extensively during all snow and ice events.

Project Justification: The snow plow units physical conditions are deteriorating, numerous repairs (welding) is preformed to keep the units up and running during all types of snow, and ice events.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$20,000

Source of Estimate: Concord

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replacing with new unit.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Public Works - Equipment

Project Name: Sweeper # 1108 (2015 Elgin Pelican)

Project Location: City Wide

Project Description: Sweeper 1108 is a 2015 Elgin Pelican. This equipment is used throughout the city performing various work. This unit is responsible for cleaning city streets as well as instrumental during leaf season and moving leafs off Shaker streets. Also, it is used during heavy storm events.

Project Justification: Unit has exceeded normal life expectancy. The Department maintains a sweeper for supporting the picking up of leaves off of city streets during the fall season. During summer operations the sweeper is out servicing city streets by removing debris on city streets. The sweeper is a vital piece of equipment to maintain/support our high level of service for our residents. This is a unique service for Shaker residents.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$65,000

Source of Estimate: M-Tech

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replace older Unit # 1108

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2021

Type: New Replacement Renovation Repair Expansion Other

Department: Public Works - Equipment

Project Name: Sewer Jet Truck #78 (2004) – Lease

Project Location: City Wide

Project Description: 5 Year Lease Jet Truck – year two

Project Justification: Sewer jet truck #78 involves pipe cleaning operations that are carried out throughout the year. The sewer cleaner is also use to vacuum all of the dirt and debris that is extracted from the city's storm and sanitary lines. All the solids and water removed this way are then disposed into a sludge tank. Regular city sewage cleaning ensures that the streets storm and sanitary drains run smoothly. Cleaning and maintaining sewer lines, catch basins, and storm sewers is essential to the welfare of our community. Effective sewer cleaning helps protect the environment by cleaning and maintaining sewer systems in order to help prevent overflows that could pollute fresh water resources.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$60,000

Source of Estimate: Jack Doheny Supply

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Replacing with new vehicle

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Equipment

Project Name: Woodchuck Chipper No. 702 (2000)

Project Location: City Wide

Project Description: Chipper # 702 is a used to perform a number daily operations within the city. During the spring, summer and fall months the unit is used chip various size tree branches. This unit performs year round work.

Project Justification: This unit exceeds its normal life expectancy and has a 7 year replacement plan. Replacement is needed due to deteriorating physical condition and will assist in improving the customer Services provided in maintaining City owned parks and land and snow and ice in the winter.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$75,000

Source of Estimate: Vermeer All Roads

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

Public Works Department - Streets

	<u>2023</u>
Street Resurfacing	\$ 2,250,000
Bike Striping	7,500
Total	<u><u>\$ 2,257,500</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Streets

Project Name: Street Resurfacing

Project Location: Various

Project Description: The project will entail the removal of 3-inches of asphalt, installation of intermediate & surface asphalt, adjustment of existing utilities casting, replacement of curb & aprons (as required), installation of ADA Curb ramps and pavement markings.

Project Justification: Asphalt roads have a useful life of 15 years (+/-). This program is intended to increase safety, rehabilitate the transportation system and reduce maintenance costs.

Project Priority: 1 Low / 5 High 5

Mandates: Infrastructure Maintenance

Estimated Cost: \$2,250,000

Source of Estimate: City staff / historical cost data.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Streets

Project Name: Bike Striping

Project Location: Various

Project Description: The project will entail the re-painting of existing bike pavement markings.

Project Justification: Pavement markings generally last one year. This project will repaint existing bike pavement markings to help ensure the safety of bicycle riders & motorists.

Project Priority: 1 Low / 5 High 5

Mandates: Infrastructure Maintenance

Estimated Cost: \$7,500

Source of Estimate: City staff / historical cost data.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

Public Works Department - Sewers

	<u>2023</u>
SSO's 2023 & 2024	\$ 1,000,000
Sewer Improvements & Lining	1,000,000
Total	<u><u>\$ 2,000,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Sewers

Project Name: SSO's 2023 & 2024

Project Location: Lynnfield, Lomond & Sherrington

Project Description: This is a construction project that will eliminate activations overflows at Lynnfield / Lomond (SSO 11). These funds will be used as a match for grants including NEORSD MCIP& DOPWIC grant applications which were submitted in 2022.

Project Justification: Sanitary Sewer Overflows occur during wet weather events causing sanitary flow To be discharged into the environment. The intent of this project eliminate the activations of the SSO. A secondary benefit is a potential reduction of basement backups within the sewer shed.

Project Priority: 1 Low / 5 High 5

Mandates: The City is required by the EPA to address SSOs.

Estimated Cost: \$1,000,000

Source of Estimate: Consultant / Design Engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Sewers

Project Name: Sewer Improvements & Lining

Project Location: Various & Continuation of work in the Northeast Quadrant.

Project Description: Internal inspection of sewers, spot repairs of structurally damaged pipe, installation of cured-in-pipe, rehabilitation of manholes.

Project Justification: The primary goals of the sewer program are to provide structural integrity to aging Infrastructure, reduce infiltration and inflow and reduce the frequency of basement backups.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$1,000,000

Source of Estimate: City staff / historical cost data.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: The sewers are owned by the City and are responsible the maintenance and operating costs.

Public Works Department - Building Maintenance

	<u>2023</u>
General Building Maintenance and Repair	
Consulting Engineer	\$ 8,000
City Hall	
Coal Room	\$ 480,000
Tuck Pointing	50,000
Building Re-Key	30,000
Police/Court Building	
PD & Court Generator Upgrade - Additional Funds	\$ 250,000
Court Probation Office Renovation - Additional Funds	64,000
PD & Court Fire Alarm System Replacement - Additional Funds	60,000
Jail Lighting Retrofit - Additional Funds	25,000
Fire Station #2	
Emergency Generator & Electrical Upgrade - Additional Funds	\$ 100,000
Service Center	
Transfer Station Repair (OWDA Loan)	\$ 1,400,000
Service Center Generator Upgrade - Additional Funds	100,000
First Floor Public Restroom Renovation Design	35,000
Parking Lots	
PD & Court South Lot - Additional Funds	\$ 70,000
Miscellaneous	
Doan Brook Restoration Amenities (Design)	\$ 225,000
Total	<u><u>\$ 2,897,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Consulting Engineer

Project Location: Various City Locations - TBD

Project Description: Provide professional engineering service to assist with the City's infrastructure and facility projects.

Project Justification: This enables all City departments access to our Consulting Engineer for various needs and support throughout the City.

Project Priority: 1 Low / 5 High 5

Mandates: City asset protection, Public Safety

Estimated Cost: \$8,000

Source of Estimate: City engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Coal Room

Project Location: City Hall

Project Description: Remove the concrete window well, the concrete beams, and the concrete lid slab in their entirety. Infill the existing door openings and core drill the basement floor slab to allow for drainage. Infill the abandoned spaces with approved engineered fill. Rebuild the window well as a slab on grade and retaining wall structure.

Project Justification: The concrete beams and concrete roof slab of the coal room has severe corrosion and deterioration of the structural members. Action is required to avoid failure of the structures.

Project Priority: 1 Low / 5 High 5

Mandates: City asset protection, Public safety

Estimated Cost: \$480,000

Source of Estimate: City engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Masonry and Tuckpointing Repairs

Project Location: City Hall

Project Description: Provide masonry and tuckpointing repairs. Some window or door lintels may be repaired or replaced.

Project Justification: Masonry repairs provide preventative maintenance that reduces additional costly repairs and help to prevent water infiltration damage. Water is infiltrating into the newly renovated Building and Housing Department offices.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, public/staff health and safety

Estimated Cost: \$50,000

Source of Estimate: City staff

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: City Hall Re-Key

Project Location: City Hall

Project Description: Creation and installation of a grand master security keying system for the City Hall building. All securable doors will receive a new key cylinder.

Project Justification: City Hall currently has three different keying schemes and manufacturers. These were created and administered by a locksmith company which closed earlier this year. The patents for those key systems had expired 30+ years ago. The new keying system will secure the entire building under one manufacturers patented keying system. This prevents individuals from having unauthorized keys cut.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, Security

Estimated Cost: \$30,000

Source of Estimate: Contractor

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Police-Court Building Generator Upgrade - Additional Funds

Project Location: Police / Court Building

Project Description: Replace the existing generator with a unit which can meet the needs of both the Police Department and the Municipal Court. Replace the transfer switch and adjust the electrical feeders. \$250K was appropriated in 2021 toward this project, \$25K spent to date.

Project Justification: The emergency generator is needed for the operation of the Police Department and the Municipal Court. The current generator is undersized and cannot provide the power required for continued operations during an emergency event.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, Building codes, Public service and safety

Estimated Cost: \$250,000

Source of Estimate: Generator manufacturer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Court Probation Office Renovation - Additional Funds

Project Location: Municipal Court

Project Description: The probation office area will be renovated to provide improve staff safety and security. The existing offices will be enlarged to make these changes. The mechanical and electrical systems will be reconfigured to provide proper coverage. \$80K was appropriated in 2020 toward this project, \$17K spent to date.

Project Justification: The existing probation office area is very cramped. The probation area offices have staff in close proximity to convicts and limited security access for the bailiffs. This project will provide additional space and security to the probation area.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, Court staff safety and security

Estimated Cost: \$64,000

Source of Estimate: City engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Police-Court Building Fire Alarm System Replacement - Additional Funds

Project Location: Police / Court Building

Project Description: The fire alarm system will be upgraded to current codes. The fire alarm control panel and devices will be replaced. New fire detection devices (i.e. smoke/heat detectors) will be installed in required areas. New notification devices (i.e. horn/strobes) will be installed to provide proper evacuation warnings. \$80K was appropriated in 2022 toward this project, no amounts spent to date.

Project Justification: The fire alarm system is original to the building. The system was designed and installed for the original building's layout, usage and Life Safety codes. The building has had several usage space modifications and renovations since being built. Life Safety codes have changed substantially. The system will be upgraded to current Life Safety codes.

Project Priority: 1 Low / 5 High 4

Mandates: Resident and City Staff life safety protection, City asset protection, Building codes

Estimated Cost: \$60,000

Source of Estimate: State Term Contractor

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Jail Lighting Retrofit - Additional Funds

Project Location: Police Department

Project Description: Retrofit the existing Jail and Court holding cell light fixtures. The light fixture's Mercury lamps, ballasts and other components will be removed. A new LED light source retrofit kit will be installed in the original housing. \$30K was appropriated in 2022 toward this project, no amounts spent to date.

Project Justification: Replacement light bulbs and ballasts are no longer manufactured. We are no longer able to conduct basic light fixture maintenance. Retrofitting the fixtures will enable us to reuse the existing light housing thus achieving substantial labor savings over fixture replacement. The new LED lights will provide energy savings over the existing High Intensity Discharge (HID) Mercury lamps. The retrofit kits will be provided by the original light fixture manufacturer to avoid any retrofit issues.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, State penal code, energy efficiency

Estimated Cost: \$25,000

Source of Estimate: Lighting manufacturer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Emergency Generator and Electrical Upgrade - Additional Funds

Project Location: Fire Station #2

Project Description: The two existing electrical services will be combined into one service. The backup generator will be increased in capacity to power the Fire Station equipment that previously did not have backup power (i.e. breathing air machine, refrigerators, truck exhaust fans, etc.) and be located outdoors. \$150K was appropriated in 2019 toward this project, \$63K spent to date.

Project Justification: The generator is needed for proper operation of the Fire Station. Relocating the unit outdoors will reduce the sound levels within the firehouse. Combining the electrical feeds will increase the electrical efficiency and allow for some substandard wiring removal in the building.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, Public safety and health

Estimated Cost: \$100,000

Source of Estimate: City engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Transfer Station Repair (OWDA Loan)

Project Location: Public Works Service Center

Project Description: Repair the floor of the Transfer Station/Salt Storage building. Replace the building's corroded structural steel (beams, trusses and columns). Make the needed concrete and steel structural repairs to the building. \$200K was appropriated in 2019 toward this project, \$45K spent to date.

Project Justification: The concrete floor has deteriorated. The steel support beams and columns have deteriorated. Part of the floor is currently supported by shoring to ensure that the floor does not fail. Many of the roof trusses have corroded and are no longer structurally sound.

Project Priority: 1 Low / 5 High 5

Mandates: City asset protection, Building codes, City Staff health and safety, Public service - rubbish collection/disposal

Estimated Cost: \$1,400,000

Source of Estimate: City engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Service Center Generator Upgrade - Additional Funds

Project Location: Public Works Service Center

Project Description: Replace the existing generator with a unit which can meet the needs of the Service Center and Transfer Station. Provide a new generator enclosure, transfer switch and electrical feeders. \$150K was appropriated in 2022 toward this project, no amounts spent to date.

Project Justification: The existing generator does not provide sufficient backup power for the Service Center. It does not provide any power for the Transfer Station and the compactors. The new generator will cover this critical area as well as satisfy the Administration and Mechanic's areas requirements. The unit will provide backup power for the entire Service Center facility.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, Public service - rubbish collection/disposal

Estimated Cost: \$100,000

Source of Estimate: Generator manufacturer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: First Floor Public Restroom Renovation Design

Project Location: Public Works Service Center

Project Description: Renovate the existing public restroom from one (1) water toilet, one (1) urinal, and one (1) washbasin to two (2) water toilets, two (2) urinals, and two (2) washbasins.

Project Justification: To provide a new and accessible facility, updating to building code and become ADA compliant.

Project Priority: 1 Low / 5 High 3

Mandates: City asset protection, Life Safety and Building codes, Resident and City Staff protection.

Estimated Cost: \$35,000

Source of Estimate: City staff

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Building Maintenance

Project Name: Regrade and Repave South Parking Lot - Additional Funds

Project Location: Police / Court Building

Project Description: The existing asphalt parking lot will be removed, the substrate regraded to ensure proper drainage and new asphalt will be installed. The lot is used by the Police Department. The project will include new parking striping lines and ADA symbols. Project bid in 2022 and bids exceeded budget by \$70,000. \$85K was appropriated in 2021 toward this project, \$12K spent to date.

Project Justification: The existing south parking lot requires ongoing maintenance for asphalt repairs. There is extensive cracking due to age and subbase failures are occurring. The parking lot is in poor condition having numerous potholes and cracking and should be repaved to correct the conditions.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection

Estimated Cost: \$70,000

Source of Estimate: City personnel

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Public Works - Doan Brook Restoration Amenities (Design)

Project Name: Doan Brook Restoration Amenities (Design)

Project Location: Horseshoe Lake Park

Project Description: This is a design project that will provide amenity options while working in conjunction with the NEORSD Dam Removal Project. This will provide design options to supplement the Districts plan related to storm water management.

Project Justification: While working as a stakeholder with NEORSD, the initial portion of the project is to remove the dam and make a safe, aesthetically pleasing storm water management feature. Amenities will be considered by each community to further highlight the renovation of the park.

Project Priority: 1 Low / 5 High 5

Mandates: _____

Estimated Cost: \$225,000

Source of Estimate: City Engineer

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

Recreation Department

	<u>2023</u>
Pool	
Replacement of Swimming Pool Liner (2008)	\$ 300,000
Parks	
Town Center Trail (1994)	\$ 60,000
Parks Repairs and Renovations	50,000
Soccer Field Improvements - Courtland Oval	25,000
Thornton Park	
Warrensville Parking Lot & Entrance (2007)	\$ 425,000
Concession Stand Equipment (1995)	6,000
Ice Arena	
Ice Edger replacement	\$ 8,000
Total	<u><u>\$ 874,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Replacement of Swimming Pool Liner (2008)

Project Location: Thornton Park Swimming Pool

Project Description: The replacement of PVC pool liner in the main pool, lazy river and diving area.

Project Justification: The existing pool liner (2008) has exceeded it's life expectancy. It is delaminating and we suspect leaking as well. The condition of the concrete pool shell may require additional resources due to potential spalling.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$300,000

Source of Estimate: Renosys Corporation Bid

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: The existing liner will be removed and disposed of.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Town Center Trail (1994)

Project Location: Main Library / Community Building grounds

Project Description: Replace the asphalt trail with concrete.

Project Justification: The asphalt trail is old and deteriorating in many places. Replacing the trail with concrete is expected to extend the life of the trail and require less upkeep and maintenance.

Project Priority: 1 Low / 5 High 2

Mandates: -

Estimated Cost: \$60,000

Source of Estimate: Benhke Associates - 2019

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: The asphalt will be recycled.

Estimated Annual Operating Cost: \$0

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Warrensville Parking Lot & Entrance (2007)

Project Location: Thornton Park Parking Lot & Entrance from Warrensville Center Road

Project Description: Replacing the asphalt entry area (2007) with concrete and repave lot.

Project Justification: The traffic load in this area is high with passenger cars, commercial vehicles, including large semi trucks and heavy equipment enter the park through daily. The area is worn with numerous pot holes that require constant attention.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$425,000

Source of Estimate: Chagrin Valley Paving - 2020

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: \$0

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2022

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Parks Repairs and Renovations

Project Location: Various City locations

Project Description: Miscellaneous health and safety repairs to parks and recreation facilities annually.

Project Justification: Park facilities are very complex and it is not always easy to predict damage, deterioration, or failure of parks and recreation equipment. Continuous repairs and renovations will help ensure the health and safety of parks and recreation visitors.

Project Priority: 1 Low / 5 High 4

Mandates: City asset protection, public safety and convenience

Estimated Cost: \$50,000

Source of Estimate: City staff

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Soccer Field Improvement - Courtland Oval

Project Location: Courtland Oval Soccer Field

Project Description: Renovate field surface which was expanded by the removal of trees and improve the playing surface.

Project Justification: The field surface has become larger since several large trees were removed. The new surface will provide safer youth sports with a larger and improved surface.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$25,000

Source of Estimate: Lance Hauserman

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Recreation

Project Name: Ice Edger replacement

Project Location: Thornton Park Ice Arena

Project Description: Replacement of gas powered ice edger with battery powered edger.

Project Justification: Eliminate the use of gas powered ice edger that causes indoor emissions and replace with a battery powered, rechargeable edger. The current edger has reached the end of its useful life and the new equipment will be better for air quality and the environment.

Project Priority: 1 Low / 5 High 5

Mandates: -

Estimated Cost: \$8,000

Source of Estimate: Zamboni

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Recreation

Project Name: Concession Stand Equipment (1995)

Project Location: Thornton Park Ice Arena

Project Description: Replacement of Convection Oven and three (3) Door Freezer

Project Justification: The convection oven and three door freezer were purchased in the 1990s and have reached the end of their useful life.

Project Priority: 1 Low / 5 High 3

Mandates: -

Estimated Cost: \$6,000

Source of Estimate: Internet Search

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -

Information Technology Department

	<u>2023</u>
Police & Fire Mobile Data Terminals (MDT's)	\$ 205,000
Software Replacement and Upgrade Assurance	55,000
Technology Strategic Plan / Cyber Security Initiatives	40,000
Network Core Switches	30,000
Computer Workstation Replacements	25,000
Software - Virtualization Software Maintenance Renewal	20,000
Anti-Spam System Replacement	20,000
Total	<u><u>\$ 395,000</u></u>

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Information Technology

Project Name: Police & Fire Mobile Data Terminals (MDT's)

Project Location: Various

Project Description: Replacement of 24 rugged in-car mobile computers for Police cruisers including installation and vehicle docks and 13 Apple iPad systems and docks for Fire vehicles according to the 2010 5-year life cycle policy.

Project Justification: The devices operate in harsh in-vehicle environments that result in regular need for repair. Older hardware fails more frequently and expired warranties result in increased maintenance costs and the loss of productivity during repair. To minimize risk for reduced efficiency of Public Safety forces, a hardware refresh is warranted.

Project Priority: 1 Low / 5 High 3

Mandates: -

Estimated Cost: \$205,000

Source of Estimate: Estimate based on budgetary quotes solicited for quantity of 24 Panasonic systems for Police and 13 Apple iPad systems for Fire.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: \$15,000

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: No longer of administrative value.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: No sharing. Installed in City Public Safety vehicles.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Information Technology

Project Name: Software Replacement and Upgrade Assurance

Project Location: Various

Project Description: This project provides funds for replacement/upgrade for newer version of current used software products or acquire newly released software needed to perform work. Funds the Microsoft software maintenance contract, the purchase of additional required software, video conferencing software licensing and planned multi-factor authentication software subscriptions.

Project Justification: Out-of-date or incompatible software with hardware can result in users unable to perform their duties. Supporting a variety of versions of software/products increases technical support costs and reduces employee productivity. IT coordinates Microsoft's Software Assurance program which reduces software costs and ensures access to Microsoft's products.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$55,000

Source of Estimate: Contract amount plus past history of additional requirements.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: \$55,000

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Proprietary software is licensed not owned, some are user based subscriptions.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Information Technology

Project Name: Technology Strategic Plan / Cyber Security Initiatives

Project Location: City Hall

Project Description: This project provides funds for consulting for the development of a Technology Strategic Plan and various Cyber Security Initiatives. The project seeks to develop a multi-year plan of technology projects to enhance operations, network security and continuity.

Project Justification: Planning effort seeks to focus technology projects on innovations which reduce risk, enhance productivity and delivery of City government services. A focus on a cyber security framework is anticipated as a substantial component of the plan.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$40,000

Source of Estimate: Estimate based on State Contract amount information.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Proprietary software is licensed not owned.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Information Technology

Project Name: Network Core Switches

Project Location: IT Server Room

Project Description: Replace top of rack 10 GB network switch utilized for demanding server to storage network communications.

Project Justification: Data center equipment must meet the highest compute demand requirements and be configured in highly available redundant designs. These high-end switches must be replaced timely to keep up with increasing performance requirements and to ensure reliability. Our redundant design provides for the ability to extend these life of these units, but these switch are now 8 years old and end of life.

Project Priority: 1 Low / 5 High 3

Mandates: -

Estimated Cost: \$30,000

Source of Estimate: Based on online information of comparable units

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: \$5,000

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Equipment fully utilized by City.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Replacement Renovation Repair Expansion Other

Department: Information Technology

Project Name: Computer Workstation Replacements

Project Location: Various

Project Description: Replacement of 36 employee computer workstations. Project includes standard operating software and accessories. The units are replaced according to a 2010 5-year life cycle policy. Laptop computers include an office docking solution and accessories.

Project Justification: Aged machines lack reliability. Expired warranties result in increased maintenance costs and the loss of productivity during repair. To minimize risk a hardware refresh is warranted. Conversion to laptops provides increase security for remote work.

Project Priority: 1 Low / 5 High 3

Mandates: -

Estimated Cost: \$25,000

Source of Estimate: In-house based on standard cost multiplied by number of systems. Less available funds from previous year's replacement purchase.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: Est. \$200/system

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: No longer of administrative value.

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: No sharing. Used by employees full time and software is proprietary.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Information Technology

Project Name: Software - Virtualization Software Maintenance Renewal

Project Location: IT Server Rooms

Project Description: This project provides funds to renew manufacture software maintenance of the server virtualization software use to operate the City's data centers. This critical software provides the foundation for the computer environment and provides for high availability of server systems. Software must remain current to ensure security and equipment compatibility.

Project Justification: Out-of-date software results in significantly increased risk of disruption from incompatibilities and cyber security threats. Out of date software can result in the inability to acquire certain insurance.

Project Priority: 1 Low / 5 High 4

Mandates: -

Estimated Cost: \$20,000

Source of Estimate: Estimate based on State Contract amount information.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: \$20,000

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Proprietary software is licensed not owned.

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Information Technology

Project Name: Anti-Spam System Replacement

Project Location: IT Server Room

Project Description: Replacement of existing system that filters unwanted internet email. Provides for necessary hardware, software and maintenance.

Project Justification: A system to filter out unwanted email is justified in that it significantly improves employee productivity by eliminating the need to deal with the message. An additional benefit is improved performance of the email system from reduced volume and increased security from blocked malicious emails.

Project Priority: 1 Low / 5 High 1

Mandates: -

Estimated Cost: \$20,000

Source of Estimate: Projection based upon previous replacement project.

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: \$6,000

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: Old system of no significant value w/o software subscription.

Estimated Annual Operating Cost: \$0

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: Proprietary software and licensing

CAPITAL PROJECT REQUEST FORM

Capital Budget Year: 2023

Type: New Renovation Expansion
 Replacement Repair Other

Department: Planning

Project Name: Van Aken Multi-purpose Path Design and Engineering

Project Location: Lower Lake (Shaker Lakes Parkland)

Project Description: Engineering cost for in-road and off-road bike facilities to connect the Van Aken District to Lee Road bike lanes. Mostly on Van Aken, but may also include Lomond and Parkland. (note: construction match in 2024 Capital)

Project Justification: Continued investment in the Van Aken District

Project Priority: 1 Low / 5 High 5

Mandates: NOACA awarded \$1.5M grant for construction

Estimated Cost: \$250,000 (design & engineering)

Source of Estimate: Planning Department

Pre-purchased maintenance included: Yes No N/A

Pre-purchased maintenance cost: -

Disposition of Asset being replaced: Auction Trade-In Keep

Rationale: -

Estimated Annual Operating Cost: -

Estimated Annual Operating Details: -

Can this item be shared with other municipalities? Yes No

If no, explain: -