



**VILLAGE OF LINDENHURST**  
**Finance Committee Meeting Agenda**  
**Friday, January 27, 2023**  
**2:30 p.m.**

- I. Call to Order
- II. Approval of Minutes of the Finance Committee Meeting of November 3, 2022
- III. New Business
  - A. Discussion and Recommendation: 2023 Draft Capital Improvement Plan
- IV. Public Participation
- V. Adjournment



**DATE:** January 23, 2023

**TO:** Chairman Dunham and Members of the Finance Committee

**FROM:** Clay T. Johnson, Village Administrator

**RE: **FY 2023-2024 Draft Capital Improvement Plan****

For this year’s draft Capital Improvement Plan (CIP), staff has made some changes that we hope make the Capital Improvement Plan document more understandable, impactful, and transparent. Since the time I began as Village Administrator, capital projects were arranged and organized based on when a project received commitment from the Village versus some other grouping based on function (outside of the limitations created by fiscal policy). Projects were generally arranged as those that were continuous and ongoing like sidewalk replacement or pavement patching or those that were previously agreed to in the past, but which are now coming due. An example of the latter is the Grand Avenue Sidewalk Extension from Emerald Ridge Subdivision. The CIP also included categories that illustrated projects that were being introduced into the coming fiscal year and those that were projected beyond the coming fiscal year. As I’m sure you recall, those timings were designated by a now infamous set of pastel colors:

Peach	Long-Term Capital Projects and/or Part of an Agreement
Lavender	Previously Approved Projects Underway
Olive	Proposed Projects for Current Year
Salmon	Future Projects

Admittedly, this arrangement and color palette are a unique way to organize our projects. At the time, the Village had a number of large, multi-year projects that were underway or impending, and this provided what I believed was the cleanest way to explain projects for decisionmakers. After five years, and as we wind down certain multi-year projects, it is time to reexamine how we compile our projects for ourselves and the greater public.

**Organizing by Functional Group**

The changes made to the draft FY 24 Capital Improvement Plan place it into a format which is more akin to many municipal multi-year plans. Projects are being arranged in a new format based upon 1) compatible functional area, 2) forecasted fiscal year timing and 3) fund.



With consolidating projects by functional group, we hope to demonstrate how much investment the Village makes into a particular aspect of Village service. A good example of this categorization is within “Street Improvements” category in the draft document. A reader of the CIP would be able to see how much money is being dedicated to street improvements within the upcoming fiscal year and any of the next five fiscal years - respectively or collectively. Our staff feels this tells a better story when it comes to the use of tax dollars and can help influence a narrative that is observed through our community survey or may otherwise be anecdotal. In this particular example, the Village can demonstrate to the public that over \$1.5M is dedicated in street improvement funding in FY 24 or \$5.5M over the next five fiscal years. (This figure is actually conservative as we have not calculated how much additional resurfacing the Village needs to support as determined by the pavement condition study.)

With the larger functional groups, staff tried to eliminate the need to create individual spending lines for projects that may only occur once versus broader categories that we know will likely continue annually. As we move into budget preparation, for example, we would create an expense line for “Miscellaneous Street Improvements” at a cost of \$22,500, but this would be for two individual projects – Decorative Streetlight Repair/Replacement in Waterford Commons (\$10,000) and Village Entry Sign Replacement (\$12,500). Combining lines helps create consistency within the chart of accounts and expense lines year after year and helps with readability. Descriptions of projects would accompany the Community Capital Budget, in this instance, which would detail the projects within any broader expense line. This is not unlike what staff does with any other Village operating budget area. What is typically seen is a broad expense category, but the expense category is actually an aggregation of a number of smaller, similar expenses.

Not all projects would have to be consolidated. Projects, initiatives, or studies with significant community interest or budgets could be called out individually. For example, the replacement of water main along Lake Shore Drive is called out specifically due to the significant cost of that project.

### **Organizing by Fiscal Year Spending Summary**

To clarify the overall fiscal picture, projects are also displayed within the new CIP by fiscal year. As I mentioned earlier, someone reading the CIP can view the total amount dedicated to all CIP projects or by the proposed functional group within any particular year.



### **Fund Summary**

This information is not new to our CIP. The plan document will illustrate how the proposed CIP projects will affect the respective fund into which they are assigned. We, again, include this information within the new CIP. Staff will likely create a summary chart that shows a summary of impacts to each fund once feedback is received on the individual projects and fund impacts become a little clearer.

### **Discussion**

Rather than duplicate the information that is included within the FY 2023-2024 CIP, this memo is meant to serve as a primer to the new layout and information. Project narratives are included within the draft document. During the Finance Committee meeting, I hope to discuss your thoughts on the new layout and any suggestions you may have. Additionally, I would appreciate your feedback on individual projects listed within the CIP for eventual transmittal to the full Village Board.

# Village of Lindenhurst



## 2023 Capital Improvement Plan (CIP)

## Introduction

The purpose of the Village's Capital Improvement Plan (CIP) is to establish a long-range planning tool to provide for the investment in major community infrastructure improvements and the maintenance/repair/replacement of existing Village facilities and equipment.

More specifically, the Capital Improvement Plan will:

1. Identify existing major infrastructure and facilities.
2. Describe the CIP planning process.
3. Identify needed capital improvement projects within the next five years or longer.
4. Provide a summary of current debt obligations.
5. Identify, categorize and describe potential future community improvement projects.
6. Make recommendations to maximize community improvement spending.

When planning for capital projects, the Village uses six objectives when evaluating the priority of projects:

1. Continuation of Maintenance and Replacement of Village Infrastructure to Address Essential Community Infrastructure Needs
2. Improvements to Technology to Increase Operational Efficiencies or Increase Data Driven Decision-Making
3. Enhances Quality of Life Elements and Improves Property Values
4. Improve Citizen Engagement in order to Establish Future Goal Setting and/or Comprehensive Planning
5. Enhance Public Safety
6. Seeking more sustainable equipment, materials, or practices
7. Promotes strategic priority areas and goals as established within the Village's strategic plan

To reinforce the six evaluation objectives, the recommended capital projects will have corresponding numeration within their project descriptions.

## Capital Improvement Plan Planning Process

The planning process for the Capital Improvement Plan is a collaborative multi-step process and includes the following steps:

Step	Completion Date	Description of Activity
1	November 18	Departmental CIP items are submitted to Village Administrator
2		Staff prepares a draft CIP document that includes revenue projections and proposed projects and costs
3	January 24-27	Draft CIP is provided to the Village Finance Committee for review and input
4	February 13	Draft CIP is discussed at Village Board Meeting
5	March	Staff incorporates Village Board decisions and modifications into final CIP document
6	April 24	Village Board reviews and approves recommended CIP projects as part of the Village's full budget

## Capital Improvement Plan Structure and Organization

The Village's CIP is organized into three main areas meant to increase understanding of our capital improvement needs and increase transparency around various capital projects. The three primary groupings are as follows:

- Capital Projects by Functional Group: This organizes recommended capital project into functional groups that have similar like projects and priorities. Projects within this area are projected for the next five years.
- Proposed Fiscal Year Spending Summary: Provides a summary of this proposed fiscal year's capital projects by functional group.
- Fund Summary: Provides information about which Village funds will be used to fund all proposed projects.

## Recommended Capital Improvement Projects by Functional Group

Recommended Village capital improvement projects are categorized into five different functional groups as shown below. Within each functional group, individual types of projects have been projected for the next five years.

### Project Groups:

- General Public Improvements
- Water and Wastewater Improvements
- Street Improvements
- Village Facilities and Equipment
- Green/ Sustainability Initiatives
- Vehicle and Major Equipment Replacement



# 2023-2024 Capital Improvement Plan



## General Government

### Overview

Projects identified in this category cover a wide range of areas that all aim to improve Village services, operations, and quality of life. Examples of potential project areas in this category include maintaining the Village’s four lakes, improving stormwater infrastructure, enhancing Village services, and providing economic development/incentives. Projects in this category are funded by the Community Capital Fund.

General Government Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
Community Survey				\$13,000	
Lakes Management	<b>\$60,000</b>				
Economic Development & Incentives	<b>\$110,000</b>	\$110,000	\$110,000	\$110,000	\$110,000
<b>Subtotal</b>	<b>\$170,000</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$123,000</b>	<b>\$110,000</b>

### Project Descriptions for Fiscal Year 2023-2024

#### Lakes Management

##### Lake Potomac Pond Aeration (\$10,000)

The Lakes Commission has investigated the cost of installing aerators within Lake Potomac for the purpose of oxygenating the water to support aquatic life through the winter months. The Commission posits that additional aeration will support, larger game fish and increase their numbers in the basin.

##### Lake Waterford (Teal Rd.) Boat Launch (\$50,000)

In the preparation for the FY23 budget, Hay and Associates evaluated two sites along Lake Waterford for potential boat access – one at High Point Drive and the other along Teal Road. As part of the discussion, a preference was formed for the Teal Road access, but the Village Board did not want to include it in the FY23 CIP. Staff was instructed to include it in the following year’s CIP. This amount is carried forward and proposed within the FY 24 CIP. An additional \$10,000 has been added to the estimate to account for inflationary increases since the previous year.

#### Economic Development & Incentives

##### Zeigler Economic Incentive Payment (\$110,000)

Per the Board approved revisions to the Economic Incentive Agreement between the Village and Zeigler Nissan, the Village has committed to ongoing rebates of 50% of sales tax generated by the project. This is estimated for FY 22 at \$110,000.

# 2023-2024 Capital Improvement Plan

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## Project Descriptions for Fiscal Years 2025-2028

Economic Development & Incentives (\$110,000)

**FY 25-28: Zeigler Economic Incentive Payment (\$110,000)**

Community Survey

**FY 27: Community Survey (\$13,000)**

# 2023-2024 Capital Improvement Plan



## Water & Wastewater Improvements

### Overview

The Village maintains a well water distribution system that includes 6 well houses, 9 wells, two water wells that hold 750,000 and 500,000 gallons, a 1,000,000-gallon reservoir, 62 miles of watermain, and 728 fire hydrants. Additionally, the Village operates and maintains a wastewater treatment system that includes, 11 lift stations, 65 miles of sanitary sewer lines and a waste water treatment facility that can treat 2.0 million gallons per day. The projects identified below provide maintenance and enhancement to both the water and wastewater systems. Projects in this category are funded by the Water/Sewer Capital fund.

Water & Wastewater Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
<b>ARPA- Watermain Replacement Lake Shore Drive</b>	<b>\$1,420,000</b>				
<b>Lift Station Upgrades and Improvements</b>	<b>\$309,000</b>		\$17,250	\$38,500	\$75,000
<b>Compound Meter Replacement Program</b>		\$32,928	\$33,916	\$34,933	\$35,981
<b>Water Infrastructure Improvements</b>		\$225,000	\$35,000	\$70,000	
<b>Wastewater Treatment Facility Upgrades</b>	<b>\$33,000</b>		\$80,000		
<b>Misc. Equipment</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>	<b>\$5,000</b>
<b>Subtotal</b>	<b>\$1,767,000</b>	<b>\$256,000</b>	<b>\$163,250</b>	<b>\$139,500</b>	<b>\$106,000</b>

### Project Descriptions for Fiscal Year 2023-2024

#### ARPA- Watermain Replacement Lake Shore Drive (\$1,420,000)

One of the major projects to be completed with our American Rescue Plan Act funds was the replacement of water main along Lake Shore Drive. This section of water main was selected due to its age and high number of breaks which have occurred along the line. The Village plans to replace around 3,000 linear feet of water main and increase the size of the pipe from six inch (6") diameter to twelve inch (12") diameter. Replacing the water main will help provide greater supply of water at greater pressure for residents in that area. In FY 23, the Village completed a section of water main replacement along this route from Beck Road to Green Tree Court. The estimated cost of replacing the remaining water main from Green Tree Court to Sprucewood Drive in FY 24 is \$1,420,000.

# 2023-2024 Capital Improvement Plan



## Lift Station Upgrades & Improvements

### **ARPA – Lift Station Upgrades Design and Construction (\$289,000)**

Our CIP figures include the replacement of control panel and peripheral equipment, transducers, back-up floats, level sensors, primary-logic controllers (PLCs), and start up for each of these stations. The costs also include the replacement of pumps at lift stations #2 and #3. Strand Engineering was approved to begin the design for these upgrades in December 2022. A more detailed cost estimate will be generated through the design process.

### **Replace Guiderails at Lift Station 8 (\$20,000)**

The guide rails inside the wet well at Lift Station #8 are difficult to use and have separated from the anchoring point of the wet well. These guide rails are original and no longer provide proper seating of the pumps. Portions of the guide rails are bowed and do not allow the pumps to slide up and down for servicing. We propose to replace the pumps at the same time as they are 18 years old and have exceeded their useful life.

## Wastewater Facility Improvements

### **Centrifuge Repair (\$33,000)**

The centrifuge is used to process our bio-solids for land application. The unit is due for internal bearing replacements and was recommended during the last inspection of 03/22. This work would require the removal of the unit and transport to their facility.

Misc. Equipment (\$5,000)

## Project Descriptions for Fiscal Years 2025-2028

### Lift Station Upgrades & Improvements

#### **FY 26-28: Installation & Repair of Lift Station Driveways (\$17,250-\$75,000)**

Public Works proposes the replacement of the aging driveways at the lift stations over a period of four years. Ten of the eleven lift stations have a driveway approach and are original installations. Special care is needed when removing snow and ice from the drives as well as becoming eye sores for the local residents. The list below prioritizes the needs of the driveways in a “worst-is-first” methodology. Cost calculations are based on current pricing of \$10 per square foot.

Fiscal Years	Lift Station	Square Feet	Extended Cost
FY 25/26	Lift Station 2	816	\$8,160
	Lift Station 5	900	\$9,000
	Lift Station 8	450	\$4,500

# 2023-2024 Capital Improvement Plan



FY 26/27	Lift Station 1	750	\$7,500
	Lift Station 3	780	\$7,800
	Lift Station 7	700	\$7,000
FY 27/28	Lift Station 4	432	\$4,320
	Lift Station 10	375	\$3,750
	Lift Station 11	800	\$8,000
	Lift Station 6	2,355	\$23,550

## Compound Meter Replacement Program

### **FY 25-28: Compound Meter Replacement Program (\$32,928-\$137,758)**

In our efforts to reduce water loss and better accountability, Public Works proposes the replacement of older commercial account meters and existing compound meters located at various commercial businesses. These recommended meters for replacement were installed prior to 2014 and are as old as 2007. The new meters will allow for data logging to better assist our clients in identifying problems within their plumbing. The new compound meter is of the Fergusson T10 family using the vortex metering system. The meter will have the same functions as our current meter but will eliminate the need to track two meter readings for billing. At present, a compound meter must read a “HI” usage and a “LO” usage. The vortex meter automatically reads the water used as a single read and is equipped with data logging capabilities.

We propose this meter exchange to occur over the next four years with a 3% increase in materials:

Fiscal Year	Cost
FY 25/26	\$32,928
FY 26/27	\$33,916
FY 27/28	\$34,933
FY 28/29	\$35,981

## Water Infrastructure Improvements

### **FY 25: Hypochloride Conversion (\$51,000)**

This proposed project includes the removal of gas chlorine from the stand-by well houses no. 2 and 5. These well houses currently use chlorine gas as the water disinfectant with no chlorine held on or offsite. If the need arises to utilize these wells, chlorine will need to be ordered and delivered. There is no guarantee that the chlorine gas could be delivered at a moment’s notice. We propose to switch these well hoses over to hypochloride that is readily available for use through CLCJAWA if needed. The hypochloride is safe to handle and can be transported in 5-gallon jugs. This work includes the purchasing of the chlorinating equipment, installation, and engineering as required from the IEPA to make the switch.

## **FY 25: Televising of Emergency Standby Wells (\$24,000)**

Since the inception of Lake Michigan water in 2017, the emergency stand by wells are only exercised once per month. The wells are running for a minimal time and the water is pumped to waste. Due to the lack of operations, we propose the televising of the wells to catalog their current conditions and to evaluate the condition of the aquifers. This televising will also identify any issues with the column pipe, casing, or the intake screens. It has been known that the matrix of the water has caused problem in the past with our wells at a time during operations. Concerns can be made of the condition of the wells with minimal operations. This work should be performed every four years to guarantee the operations of the well if the need arises that they be placed into service.

## **FY 25: Tower 1 Column Pipe Replacement (\$150,000)**

In early 2020, repairs to Tower 1 were performed to the angle brackets that were leaking. At that time, Public Works determined that a full inspection of the column pipe should be performed based on concerns of the thickness of the wall of the pipe. Since that time, Public Works has come to an understanding that the entire column pipe should be replaced and would rather forego the inspection and simply replace the pipe.

## **FY 26: Abandon Well House #4 (Sedgewood Cove) (\$20,000)**

We propose to abandon Well House #4 located in Sedgewood Cove. This well house was constructed in 1994 as a means to provide potable water to the subdivision if the need to isolate the area from the distribution system occurred. This well produces only 95 gallons per minute and was built on top of an iron bed. Due to the high iron count, this well was not used as a front-line water producer but as a last use option. The last recorded use from this well was in March 2012 and then previous to that was August 2000. With the current distribution piping and the Lake Villa Interconnection as a viable backup source, the need for this well house no longer exists.

## **FY 27: Communications Upgrade to Wellhouses (\$70,000)**

Similar to the upgrades being performed at the sanitary lift stations, communications upgrades are needed to our well houses that reliably provide information to our Public Works staff, even while in offsite locations. Improved communication would allow our staff to view more reliable information and remote operability in the case of an alert or alarm.

## Wastewater Facility Improvements

### **FY 26: Reseal & Repave Lagoon (\$65,000)**

The storage lagoon at the WWTF is need of repairs. The lagoon measures 87 feet by 255 feet with a surface area of 22,185 square feet. The lagoon has multiple fractures and the seams have separated over time. These fractures and open seams allow for vegetation to

## 2023-2024 Capital Improvement Plan

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grow which in turn requires staff to remove several times a year. The surface of the lagoon is not designed to support machinery so this work will need to be performed by hand.

### **FY 26: Install Fiber Optics at WWTF (\$15,000)**

In order to maintain communications with the various components at the WWTF, we propose to complete the fiber optic connects to the SCADA computer. At present the system works off of a radio read that at times fails to communicate. We propose to install a hard line (fiber optics) to complete the circuit that was installed during the 2012 upgrades.

# 2023-2024 Capital Improvement Plan



## Street Improvements

### Overview

The Village consists of 94.3 lane miles of streets and rights of way. Following a pavement management assessment of Village streets in 2018 which rated the Village’s road network in the “poor” category, the Village made a larger commitment to invest in road infrastructure by creating a six-year road resurfacing program. This program has allowed the Village to almost double the number of road miles treated during the biennial resurfacing schedule while increasing the overall pavement condition index (PCI) score of the overall network. The majority of the projects outlined below reaffirm the Village’s commitment to the biennial resurfacing schedule. Other project funding for street improvements account for large Village infrastructure projects and for the Village’s contribution to state and county road projects. Projects in this category are funded primarily by the community capital fund.

Street Improvements Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
Pavement Management Assessment				\$45,000	
Road Resurfacing Program	<b>\$650,000</b>	\$125,000	\$100,000	\$650,000	\$100,000
Village Match for County/ State Road Projects	<b>\$365,355</b>				\$101,269
Lake Shore Drive Reconstruction & Engineering	<b>\$550,000</b>				
Misc. Street Improvements	<b>\$22,500</b>	\$12,000			
<b>Subtotal</b>	<b>\$1,587,855</b>	<b>\$137,000</b>	<b>\$100,000</b>	<b>\$695,000</b>	<b>\$201,629</b>

### Project Descriptions for Fiscal Year 2023-2024

#### Road Resurfacing Program

##### **2023 Road Resurfacing Program (\$525,000)**

This amount is in accordance with our previously set, six-year road resurfacing schedule. The streets being considered include Mallard Ridge Drive/Munn Road, Springhill Lane, and Constitution Drive. This is not definitive at this time as we await the pavement assessment results from the fall.

##### **Annual Pavement Patching (\$100,000)**

##### **Road Program Design Engineering (\$25,000)**

#### Lake Shore Drive Reconstruction and Engineering

##### **Lake Shore Drive Reconstruction FAU Match (\$550,000)**



# 2023-2024 Capital Improvement Plan



Without knowing the total final cost for the reconstruction of Lake Shore Drive, et al, this amount has been set aside within Community Capital for the purposes of contingency or construction engineering expense. Money identified within the Motor Fuel Tax fund issued by the state through the Rebuild Illinois Bond funds will act as match for the federal funds utilized during the project.

## Village Match for County/ State Road Projects

**Route 45 Contribution (\$9,585)**

**Route 132 Village Contribution (East & West Sections) (\$355,770)**

## Misc. Street Improvements

**Decorative Street Lights in Waterford Commons (\$10,000)**

Waterford Commons comprises of Bridge Port Terrace, Harbor Ridge Way, and a portion of Monroe Drive that includes 2 strip malls and other small businesses. Within this area there are 22 Village owned steel decorative street lights. 14 that are single lamp and 8 that are double lamp. At present, the steel at the base of the pole is rusting and 3 lamps are without the glass housing. Due to the age of these street lights, replacement parts are non-existent. We have replaced the heads on 4 single lamp fixtures with a different style of lighting mechanism using the existing pole. We propose to revamp all the poles with removing the rust and painting the poles. We would also propose replacing the light mechanism on the 3 lamps that do not have glass housings. The above price includes replacing 2 complete structures.

**Village entry Sign Replacement (\$12,500)**

The Village has not replaced our entryway signs along Grass Lake Road at US 45 since the completion of the Millburn Bypass Project. The cost contemplated would replace signage at US 45 and Haven Lane (Forest Trails) and Grass Lake Road and southbound US 45.

## Project Descriptions for Fiscal Years 2025-2028

### Pavement Management Assessment

**FY 27: Pavement Management Assessment (\$45,000)**

### Road Resurfacing Program

**FY 25: Pavement Patching & Design Engineering (\$125,000)**

**FY 26: Pavement Patching (\$100,000)**

**FY 27: 2026 Road Resurfacing Program (\$650,000)**

**FY 28: Pavement Patching (\$100,000)**

# 2023-2024 Capital Improvement Plan

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Village Match for County/ State Road Projects

**FY 28: US 45 from Rt. 173 to Rt. 132 Expansion (\$101,269)**

Misc. Street Improvements

**FY 25: Village Entry Sign Replacement (\$12,000)**

Funds scheduled to replace entryway signage once Grand Avenue construction work in fully complete.

## Village Facilities & Equipment

### Overview

The Village is responsible for numerous municipal facilities that include the Village Hall, the Public Safety Building, and the Public Works Garage. In addition to the Village’s operational facilities, the Village also maintains the Veteran’s Memorial which was constructed in 2006. Funding within this category aim to improve the functionality of existing facilities and provide preventative maintenance to prolong the life of Village facilities. Other projects address operational equipment needs through the means of replacement, maintenance, or purchasing new equipment. Projects in this category are funded by the Community Capital Fund.

Village Facilities & Equipment Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
<b>Municipal Complex Improvements</b>	<b>\$65,000</b>	\$1,300,000	\$120,000		
<b>Public Works Facilities Improvements</b>	<b>\$48,000</b>				
<b>Technology Replacement &amp; Improvements</b>	<b>\$218,640</b>	\$12,000	\$12,000	\$12,000	\$12,000
<b>Misc. Equipment/ Projects</b>	<b>\$10,000</b>	\$10,000	\$10,000	\$10,000	\$10,000
<b>Subtotal</b>	<b>\$351,595</b>	<b>\$1,322,000</b>	<b>\$142,000</b>	<b>\$22,000</b>	<b>\$22,000</b>

### Project Descriptions for Fiscal Year 2023-2024

#### Municipal Complex Improvements

##### **Village Facility Roof Repairs (\$50,000)**

The Village Hall roof is aging and is in need of additional repairs. Some work has taken place on half the area and we are looking to complete additional work. This work involves removal of coping tiles to install water proof flashing, tuckpointing in various locations, and replacement of bricks. These items were identified during the previous repairs and will prevent future leaks in the facility.

##### **Veterans Memorial and Placard Grouting (\$15,000)**

The Veteran’s Memorial has loose caulk along edges of the placards. We have received a proposal to make necessary repairs and to properly secure the placards in place. This work will be performed on the Memorial and both adjacent free-standing placard.

#### Public Works Facilities Improvements

##### **Fence & Gate at Reservoir (\$48,000)**

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Public Works proposes to complete the fencing around the reservoir. This fence will include 420 lineal feet of fence, 1 service gate, 1 man-gate, and a motorized cantilever gate. This recommendation will be part of the forthcoming source water protection plan (SWPP) and would meet the security requirements with the IEPA. To complete the balance of the property not fenced is \$35,450 for the fence and \$9,505 for the cantilever gate.

## Technology Replacement & Improvements

### **Computer Replacements (\$12,000)**

### **Police Department Surveillance Camera System (\$115,000)**

Funding was approved in the FY 2017/18 CIP to conduct a remodel of the booking area/report writing area at the police department. During discussions with the architect, a recommendation was made to increase security at the police department by utilizing improved technology via access control systems (keyless entry). Based on staff research and architect recommendation, upgrades were made (approved in the 2018/19 CIP) to the current key/lock design, improving expedited entry/exit, increasing security restrictions, and monitoring traffic in the secured area. Costs to purchase new cameras, a new DVR, and an access control system at the Village Hall should not exceed \$115,000.

### **Police Department Body Worn Cameras (\$62,000)**

As you know, in January 2021, a police reform bill was introduced to the Illinois General Assembly. The bill mandates the use of body cameras by every officer in all police departments in Illinois with no money to pay for the cost. In November 2021, officers were solicited to assist with this project and a small committee was developed to continue discussion and research. Staff is now recommending the purchase of new body cameras in FY 2023/24. The estimated cost for the hardware is \$62,000. The estimated cost for storage is \$34,000 annually. This is a Watchguard body-worn camera platform that is integrated with the Watchguard squad video platform.

### **In Squad Video Camera and Replacement (\$29,640)**

Staff has already ordered three (3) in-car videos system (October 2022). Due to an increase in manufacturing and chip shortages/costs, the overall price for each system has increased. As such, staff is recommending to purchase four (4) units at a cost not to exceed \$29,640 in FY 2023/24.

## Misc. Equipment/ Projects

## **Project Descriptions for Fiscal Years 2025-2028**

### Municipal Complex Improvements

#### **FY 25: Village Facility Roof Repairs (\$120,000)**

#### **FY 25: Police Department Evidence Area Upgrades (\$950,000)**

# 2023-2024 Capital Improvement Plan

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**FY 25: Village Hall Resurfacing (\$230,000)**

**FY 26: Village Facility Roof Repairs (\$120,000)**

Technology Replacement & Improvements

**FY 25-28: Computer Replacements (\$12,000)**

Misc. Equipment/ Projects

**FY 25-28: Misc. Equipment/ Projects (\$12,000)**

# 2023-2024 Capital Improvement Plan



## Green/Sustainability Improvements

### Overview

For years, the Village has continued to offer sustainability initiatives and programs including textile recycling and 50/50 programs to residents. The Village has also implemented greener practices in our operations by switching to LED lighting, implementing a tree replacement program, and investing in pedestrian facilities. The projects identified within this category further the Village’s commitment towards implementing sustainable and green practices. Projects in this category are funded by the Community Capital Fund.

Green/Sustainability Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
<b>Sidewalk Improvements</b>	<b>\$35,000</b>	\$35,000	\$35,000	\$35,000	\$35,000
<b>Forestry</b>	<b>\$60,000</b>	\$15,000	\$15,000	\$15,000	\$15,000
<b>Stormwater Management Projects</b>	<b>\$150,000</b>	\$50,000	\$50,000	\$50,000	\$50,000
<b>Subtotal</b>	<b>\$245,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>

### Project Descriptions for Fiscal Year 2023-2024

#### Sidewalk Improvements

**FY 24 Replacements (\$35,000)**

#### Forestry

**FY 24 Replacements (\$15,000)**

**Village-wide Tree Trimming (\$45,000)**

In our efforts to maintain healthy growing parkway trees it is necessary to have our older trees professionally trimmed. These trees are beyond the capabilities of the department based on height and size of the parkway tree. Public Works staff will investigate if a community wide trimming is feasible versus addressing sections of towns over a period of years.

#### Stormwater Management Projects

**FY 24 Projects (\$150,000)**

In continuation of the storm water projects and the 50/50 culvert replacement program, we propose to continue funding to complete additional projects on the Storm Management Repair list. Engineering \$10,000, 50/50 culvert replacements \$10,000 Storm improvements \$80,000. A major repair for FY 23/24 will be the replacement of 180 feet of 30-inch storm along an easement between 2 homes on Thornwood Drive. Estimated costs for this repair is around \$50,000. The 24" storm sewer outlet for Janega Park is in poor condition with

# 2023-2024 Capital Improvement Plan

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rusted metal pipes and open joint concrete pipes. The two manholes have very limited inlet capacity as the grates are substandard. These structures are in need of replacement.

## **Project Descriptions for Fiscal Years 2025-2028**

Sidewalk Improvements

**FY 25-28 Replacements (\$35,000)**

Forestry

**FY 25-28 Tree Replacement Program (\$15,000)**

Stormwater Management Programs

**FY 25-28 Projects (\$50,000)**

## Vehicle & Major Equipment Replacements

### Overview

The Vehicle Replacement provides for the replacement of vehicles and major equipment for the Police and Public Works departments. Vehicles and major equipment are slotted for their replacement based on their estimated useful lifespan and incurred maintenance costs. All vehicles and major equipment replacements are funded by the Vehicle Replacement fund, which receives funding from the Street Maintenance, Water/Sewer Operating, and Police Department funds. The Village’s Fleet consists of vehicles and equipment from both the Police Department and Public Works.

*Police Department:*

- 8 police vehicles

*Public Works:*

- 2 Public Works sport utility vehicles
- 5 Public Works pick-up trucks
- 2 – 2 yard dump trucks
- 6 – 5 yard dump trucks1 – 10 yard dump truck
- Backhoe, Jetter, Loader, Vactor, Roller, Trash Pump, Branch Chipper, Hot Asphalt Box

Vehicle & Major Equipment Replacement Recommended Projects					
Projects	FY 2023-24 Proposed	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
<b>Public Works Vehicles</b>	\$220,000	\$137,842	\$0	\$89,632	\$0
<b>Public Works Major Equipment</b>	\$0	\$0	\$0	\$29,877	\$124,337
<b>Police Vehicles</b>	\$155,241	\$0	\$0	\$164,744	\$219,236
<b>Subtotal</b>	<b>\$375,241</b>	<b>\$137,842</b>	<b>\$0</b>	<b>\$284,253</b>	<b>\$409,399</b>

### Project Descriptions for Fiscal Year 2023-2024

#### Public Works Vehicles

**FY24 Replacements (\$220,000)**

Truck 56-07 is scheduled for replacement this FY 23/24. This vehicle has presented with starting problems and was recommended for retirement from Lake County DOT Maintenance shop. This vehicle has logged over 8,000 hours of operation and is showing wear and tear. We propose to replace this full-size dump truck with a midsize dump to meet our new fleet configuration.

#### Police Vehicles

**FY24 Replacements (\$155,241)**

Following the Village’s 20 year vehicle replacement schedule, 3 squad cars will be replaced. It is estimated that each squad car will cost \$51,747.



# 2023-2024 Capital Improvement Plan



## Capital Improvement Plan- FY 2023- 2024 Programming Summary

Total	Recommended Fiscal Year 2023-2024 Capital Improvements	CIP Objectives
<b>\$170,000.00</b>	<b>General Government</b>	
\$60,000.00	Lakes Management	3
\$110,000.00	Economic Development & Incentives	7
<b>\$1,767,000.00</b>	<b>Water &amp; Wastewater Improvements</b>	
\$1,420,000.00	ARPA- Watermain Replacement- Lake Shore Drive	1
\$309,000.00	Lift Stations Upgrades & Improvements	1
\$33,000.00	Wastewater Treatment Facility Upgrades	1
\$5,000.00	Misc. Equipment	1 & 6
<b>\$1,587,855.00</b>	<b>Street Improvements</b>	
\$650,000.00	Road Resurfacing Program	1 & 2
\$365,355.00	Village Match for County/ State Road Projects	1 & 4
\$550,000.00	Lake Shore Drive Reconstruction & Engineering	1 & 3
\$22,500.00	Misc. Street Improvements	1 & 3
<b>\$351,595.00</b>	<b>Village Facilities &amp; Equipment</b>	
\$65,000.00	Municipal Complex Improvements	1
\$57,955.00	Public Works Facilities Improvements	1
\$218,640.00	Technology Replacement & Improvements	5
\$10,000.00	Misc. Equipment/Projects	5
<b>\$245,000.00</b>	<b>Green/ Sustainability Improvements</b>	
\$35,000.00	Sidewalk Improvements	1 & 3
\$60,000.00	Forestry	3 & 6
\$150,000.00	Stormwater Management Projects	1 & 6
<b>\$375,241.00</b>	<b>Vehicle &amp; Major Equipment Replacements</b>	
\$220,000.00	Public Works - Vehicle Replacements	1
\$155,241.00	Police - Vehicle Replacements	1
<b>\$4,491,691.00</b>	<b>TOTAL FISCAL YEAR 2023-2024 IMPROVEMENTS</b>	

# 2023-2024 Capital Improvement Plan



## Capital Improvement Plan Funding Summary

The Village currently uses various capital funds for infrastructure and community improvements. These include:

### I. Community Capital Fund

The Community Capital Fund typically funds storm water improvements, bike path and sidewalk improvements, municipal facility improvements, a portion of road improvements, computer equipment, and other miscellaneous improvements as determined by the Village Board. Regularly Yearly revenue sources and a five-year outline of project expenses are outlined below. In addition to the Community Capital Funds regular revenue, the fund receives a transfer of any available dollars in excess of the General Fund Target Balance at the end of each fiscal year.

#### Community Capital Fund 5-Year Revenue Projection FY 23/24 - 27/28

Revenue	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28
Transportation Facility Fees	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000	\$ 280,000
Public Facility Donation	\$ 40,000	\$ 67,500	\$ 75,000	\$ 42,500	\$ 42,500
Cell Tower Lease Fees	\$ 164,440	\$ 169,373	\$ 174,454	\$ 179,687	\$ 185,078
Income Tax	\$ 182,006	\$ 186,759	\$ 191,511	\$ 196,264	\$ 196,265
Sales Tax	\$ 193,813	\$ 199,628	\$ 205,617	\$ 267,301	\$ 267,301
Video Gaming Proceeds	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
IDOT - Route 132 Reimbursement					
Interest	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
<b>Total Community Capital Revenue</b>	<b>\$ 922,259</b>	<b>\$ 965,259</b>	<b>\$ 988,581</b>	<b>\$ 1,027,753</b>	<b>\$ 1,033,145</b>

#### Community Capital Fund 5-Year Projection FY 23/24 - 27/28

Cash Balance 1/1/23

\$ 3,436,526

FY 2	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28
Revenue	\$ 922,259	\$ 965,259	\$ 988,581	\$1,027,753	\$1,033,145
Transfer From General Fund (Operating)	\$ -	\$ -	\$ -		
	\$ 922,259	\$ 965,259	\$ 988,581	\$1,027,753	\$1,033,145

# 2023-2024 Capital Improvement Plan

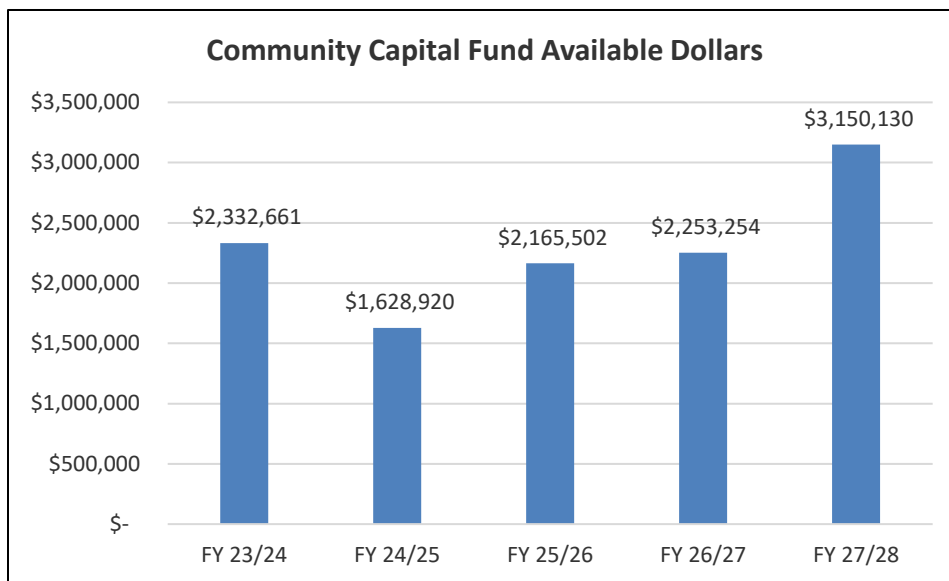


## Expenses

<b>Community Capital Fund Recommended Projects</b>						
<b>General Government</b>	<b>FY 23/24</b>	<b>FY 24/25</b>	<b>FY 25/26</b>	<b>FY 26/27</b>	<b>FY 27/28</b>	<b>5 Year Total</b>
Community Survey	\$ -	\$ -	\$ -	\$ 13,000	\$ -	\$ 13,000
Lakes Management	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Economic Development & Incentives	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000
<b>TOTAL FUNDING</b>	<b>\$ 170,000</b>	<b>\$ 110,000</b>	<b>\$ 110,000</b>	<b>\$ 123,000</b>	<b>\$ 110,000</b>	<b>\$ 623,000</b>
<b>Street Improvements</b>	<b>FY 23/24</b>	<b>FY 24/25</b>	<b>FY 25/26</b>	<b>FY 26/27</b>	<b>FY 27/28</b>	<b>5 Year Total</b>
Pavement Management Assessment	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ 45,000
Road Resurfacing Program	\$ 650,000	\$ 125,000	\$ 100,000	\$ 650,000	\$ 100,000	\$ 1,625,000
Village Match for County/ State Road Projects	\$ 365,355	\$ -	\$ -	\$ -	\$ 101,269	\$ 466,624
Lake Shore Drive Project Reconstruction & Engineering	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Misc. Street Improvements	\$ 22,500	\$ 12,000	\$ -	\$ -	\$ -	\$ 34,500
<b>TOTAL FUNDING</b>	<b>\$ 1,587,855</b>	<b>\$ 137,000</b>	<b>\$ 100,000</b>	<b>\$ 695,000</b>	<b>\$ 201,269</b>	<b>\$ 2,686,624</b>
<b>Village Facilities &amp; Equipment</b>	<b>FY 23/24</b>	<b>FY 24/25</b>	<b>FY 25/26</b>	<b>FY 26/27</b>	<b>FY 27/28</b>	<b>5 Year Total</b>
Municipal Complex Improvements	\$ 65,000	\$ 1,300,000	\$ 120,000	\$ -	\$ -	\$ 1,485,000
Public Works Facilities Improvements	\$ 48,000	\$ -	\$ -	\$ -	\$ -	\$ 48,000
Technology Replacement & Improvements	\$ 218,640	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 266,640
Misc. Equipment/Projects	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
<b>TOTAL FUNDING</b>	<b>\$ 341,640</b>	<b>\$ 1,322,000</b>	<b>\$ 142,000</b>	<b>\$ 22,000</b>	<b>\$ 22,000</b>	<b>\$ 1,849,640</b>
<b>Green/ Sustainability Improvements</b>	<b>FY 23/24</b>	<b>FY 24/25</b>	<b>FY 25/26</b>	<b>FY 26/27</b>	<b>FY 27/28</b>	<b>5 Year Total</b>
Sidewalk Improvements	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 175,000
Forestry	\$ 60,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 120,000
Stormwater Management Projects	\$ 150,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 350,000
<b>TOTAL FUNDING</b>	<b>\$ 245,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 295,000</b>
<b>TOTAL COMMUNITY CAPITAL FUNDING</b>	<b>\$ 2,344,495</b>	<b>\$ 1,669,000</b>	<b>\$ 452,000</b>	<b>\$ 940,000</b>	<b>\$ 433,269</b>	<b>\$ 5,454,264</b>

## Available Dollars

\$ 2,332,661    \$ 1,628,920    \$ 2,165,502    \$ 2,253,254    \$ 3,150,130



# 2023-2024 Capital Improvement Plan



## II. Water/Sewer Capital Fund

The Water/Sewer Capital Fund typically funds water and wastewater improvements/replacements including watermains, lift stations, pump stations, debt obligations, etc. The Water/Sewer Capital Fund receives yearly revenue from tap on fees and interest.

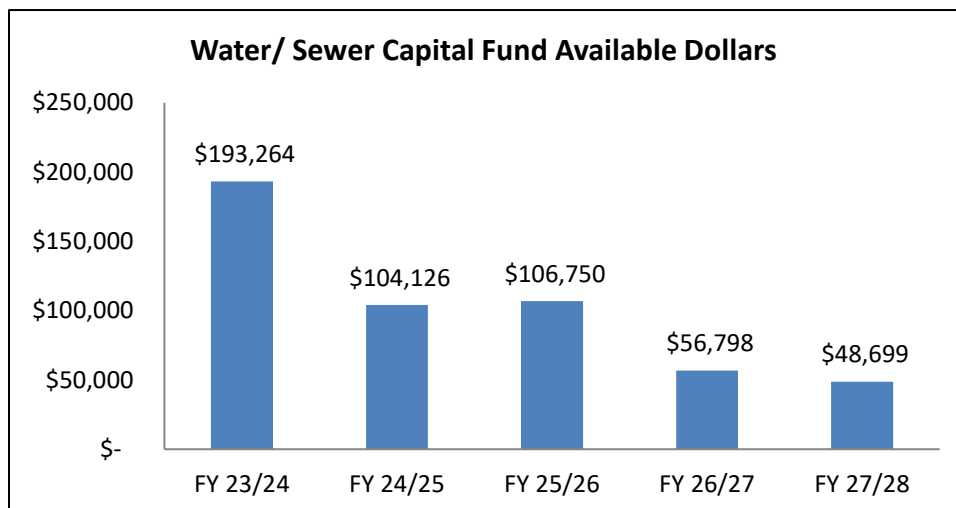
### Water & Sewer Capital Fund 5-Year Projection FY 23/24 - 27/28

Cash Balance 1/1/23	\$ 1,844,404				
	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28
<b>Regular Revenue</b>	\$ 115,860	\$ 173,790	\$ 173,790	\$ 98,481	\$ 57,930
<b>American Rescue Plan Act Tranche #2</b>	\$ -	\$ -	\$ -		\$ -
<b>Transfer From Utility Fund (Operating)</b>	\$ -	\$ -	\$ -		\$ -
<b>Total Revenues</b>	\$ 115,860	\$ 173,790	\$ 173,790	\$ 98,481	\$ 57,930

<i>Water/ Sewer Capital Fund Recommended Projects</i>						
<i>Water &amp; Wastewater Improvements</i>	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	5 Year Total
ARPA- Water Main Replacement- Lake Shore Drive	\$ 1,420,000	\$ -	\$ -	\$ -	\$ -	\$ 1,420,000
Lift Stations Upgrades & Improvements	\$ 309,000	\$ -	\$ 17,250	\$ 38,500	\$ 75,000	\$ 439,750
Compound Meter Replacement Program	\$ -	\$ 32,928	\$ 33,916	\$ 34,933	\$ 35,981	\$ 137,758
Water Infrastructure Improvements	\$ -	\$ 225,000	\$ 35,000	\$ 70,000	\$ -	\$ 330,000
Wastewater Treatment Facility Upgrades	\$ 33,000	\$ -	\$ 80,000	\$ -	\$ -	\$ 113,000
Misc. Equipment	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000
<b>TOTAL FUNDING</b>	<b>\$ 1,767,000</b>	<b>\$ 262,928</b>	<b>\$ 171,166</b>	<b>\$ 148,433</b>	<b>\$ 115,981</b>	<b>\$ 2,465,508</b>
Debt Obligations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>TOTAL WATER/SEWER CAPITAL FUNDING</b>	<b>\$ 1,767,000</b>	<b>\$ 262,928</b>	<b>\$ 171,166</b>	<b>\$ 148,433</b>	<b>\$ 115,981</b>	<b>\$ 2,465,508</b>
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Available Dollars \$ 193,264 \$ 104,126 \$ 106,750 \$ 56,798 \$ 48,699



# 2023-2024 Capital Improvement Plan



### III. Motor Fuel Tax Fund

The Motor Fuel Tax Fund provides revenue for various street maintenance activities including road salt, asphalt, and de-icing materials. Along with funding maintenance on Village streets, the Motor Fuel Tax Fund provides revenue for resurfacing a portion of Village roads on a biennial schedule. Fiscal Year 2023-2024 will not be a resurfacing year that will utilize MFT funds.

#### *Revenue*

Motor Fuel Tax	\$594,900
Special Allocation	\$11,000
Interest	\$12,137

#### *Capital Expenses*

Road Resurfacing	\$400,000
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#### *Non-Capital Expenses*

Asphalt Products	\$25,055
De-Icing Material	\$118,326
Snow Emergency	\$1,000

### IV. Vehicle Replacement Fund

The Vehicle Replacement Fund provides funds for the replacement of all Village fleet and major equipment through a combination of contributions from Street Maintenance, Water/Sewer Operating Funds, and the Police Department. This fund is a result of a combination of the previously separated replacement funds for Public Works and the Police Department into a single fund for all fleet. The resulting cash balance increase strengthens the position of the fund and reduces overall contributions. Village forecasting provides a 20-year projection of the fund including annual replacement costs and replacement frequency.

Estimated Fund Beginning Balance	\$308,000
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#### *Revenue*

Fund Contributions -	Street Maintenance - \$76,000
	Water/Sewer - \$76,000
	Police Department - \$76,000

#### *Expenses*

Public Works Vehicle Replacements -	Mid-size dump truck - \$220,000
Police Department Vehicle Replacements -	Replacement of Three Squads Vehicle at \$155,241

## APPENDICES TO INCLUDE

- I. 20-year vehicle list
- II. Pump station replacement list

# 2023-2024 Capital Improvement Plan



## Municipal Debt Obligations

Below is a summary of debt payments in the FY 23/24 Budget and when they expire.

Title	Amount	Fund	Expires	Purpose
<b>2010 IEPA</b>	\$44,364	W/S Operating	2030/31	Grand Ave Phase II
<b>2011 Sanitary District</b>	\$125,000	W/S Operating	2032/33	WWTF Phase II
<b>2016 IEPA 026</b>	\$404,995	W/S Operating	2035/36	Lake Michigan Improvements
<b>2016 IEPA 027</b>	\$667,667	W/S Operating	2036/37	Lake Michigan Improvements