VILLAGE OF WAUCONDA

Lake County, Illinois

Five-Year Capital Improvement Plan
FY2024 – FY2028

Adopted
April 25, 2023

A. INTRODUCTION AND SUMMARY

The purpose of a five-year capital improvement plan (CIP) is to plan and budget for future capital needs and determine the financial capacity of the Village to pay for those needs.

Capital improvement projects are typically major, infrequent expenditures, such as constructing, maintaining, upgrading, and/or replacing the Village's physical plant or infrastructure, vehicles, and equipment, as well as professional services that are associated with these projects. With the relatively small size of our community and budget, the CIP can recognize a project as small as $5,000 as a capital project.

B. General Capital Project Fund

The General Capital Project Fund accounts for the major projects needed to maintain the Village's General Services (those outside of the Water and Wastewater services). General Fund Capital Projects including the following:

General Capital Project Fund:

- Public Works Fleet Replacement
- Police Squad Car Replacement
- Fixed-Asset Repair/Replacement (items like carpet replacement, computer replacement)
- Street Maintenance Program
- Municipal Facilities (future major building improvements/replacements)
- General Capital Projects (items such as stormwater sewers or welcome signs)

The chart below shows the funding sources for the General Capital Project fund. The majority of funding comes from transfers from the General Fund, which means that general fund revenues such as property taxes, sales tax and state income tax are not only critical for funding our day-to-day services but also our infrastructure maintenance. Last year, the Board and staff determined that the Motor Fuel Tax revenues should be used every other year for the road maintenance program in order to reduce the administrative process needed to use MFT Funds. In addition to General Fund revenues and Motor Fuel Tax, staff continues to apply for grants. We have two Lake County Stormwater Management Commission grants that will be used to offset the cost of two stormwater/drainage projects in FY24.

Project Type	Source Fund	Source
PW Fleet Replacement	General Fund	Department Contributions (13)
Squad Car Replacement	General Fund	Department Contributions (12) & DUI/Forfeiture
Fixed-Asset Repair/Replacement	General Fund	Department Contributions
Municipal Facilities	General Fund	General Revenues, Fund Balance (as needed)
Street Maintenance Program	General Fund & MFT Fund	General Revenues, MFT Revenues, Grants (as available), Bonds (as needed), Fund Balance (as needed)
General Capital Projects	General Fund	General Revenues, Grants (as available)

Over the past few years, the Village Board and staff have participated in long-range planning for our infrastructure systems. For General Capital Fund projects, the Village has completed the following updates to plans and schedules:

- Facility Maintenance Plan identifying future repairs for Village Hall, Community Development and the Police Department (Completed by Kluber Architects with help from Village staff)
- Street Assessment and Maintenance Schedule (Completed by HMG Engineers)
- Public Works Fleet Schedule Review/Update (Completed by staff)

In addition, the Village is currently under contract with ILM for a Bangs Lake Maintenance Study/Plan and the FY24 budget includes a Stormwater Master Plan. Completing these plans will help us refine future capital plans and determine the level of financial resources needed to complete those projects. These are incredibly important planning tools, but have resulted in higher planned expenditures than had been envisioned in previous years. Last year at this time, the Village Board and staff discussed a future $1.5 million annual funding shortfall related to increased street maintenance funding. This discussion led the Village Board to place the home rule referendum on the April 4, 2023 ballot with the intent to implement a 1% home rule sales tax. As home rule did not pass, the Village will continue to be dependent on existing revenue sources unless others are implemented. All available General Fund balance above the minimum fund balance will be needed to support future capital expenditures. At this time, projections show that the Village will fall below the minimum fund balance in 2027, meaning that the Village will need to implement a new revenue source in 2026 or early 2027 or reduce capital spending. Options that aren't property taxes include non-home rule sales tax, vehicle stickers and the maximum rate for utility tax.

FY23 Projections

The FY23 General Capital Fund budget included $4.1 million for capital projects in the following categories:

- Fleet Replacement: $892,735
- Fixed Asset Repair/Replacement: $187,450
- Street Maintenance Program: $2,095,530
- Municipal Facilities: $225,000
- General Capital Projects: $724,529

Inflation and supply delays had a significant impact on FY23 actual spending as compared to budget. For example, we budgeted and ordered two five-ton dump trucks that were budgeted at $209,000 and $179,000 respectively. They are both on order and not expected to be delivered until FY24, and came in around 10% higher than budget. We also re-budgeted the Jackson Avenue Spillway project, the Mill Street Storm Sewer Replacement project and the Ridge Avenue Drainage Improvements for FY24 because bid results from the Ridge Avenue project showed that the projects were expected to come in higher than what was budgeted. As another example of supply delays, the street maintenance project took much longer than expected due to concrete shortages that affected the curb and sidewalk replacement portions of the project. Other projects were deferred to future years due to workload on staff: the Comprehensive Plan Update, Development Code updates, Village Hall flooring replacement and Police Department digital records conversion.

In summary, the FY23 budget for the General Capital Project Fund was $4,125,244. Staff projects actual spending to be approximately $2.8 million.

FY24 General Capital Fund Budget

The FY24 General Capital Fund Budget demonstrates the on-going commitment to the street maintenance program and especially to a coordinated effort to ensure that the necessary complimentary projects (drainage improvements, sidewalks, watermain and lead service replacement) are completed at the same time. Other external facing projects including new funding for sidewalk repair and replacement, as well as several drainage and stormwater projects. From a more internal focus, the budget also commits funding to building maintenance projects that had not been previously identified as well as technology and phone system updates. Finally, the FY24 budget "catches up" on the projects that could not be completed in FY23 due to supply chain delays, higher-than-anticipated project costs or workload.

The FY24 General Capital Fund budget is $7.8 million summarized in the table below.

General Capital Project Fund One-Year Summary by Project Type: FY 24

Project Type	FY 2024 Expenditures
PW Fleet Replacement	$ 1,007,587
Squad Car Replacement	$ 154,824
Fixed-Asset Repair/Replacement	$ 370,529
Municipal Facilities	$ 300,000
Street Maintenance Program	$ 3,441,058
General Capital Projects	$ 2,871,788

The table below shows the difference in project types as well as how the delays/deferrals of FY23 projects are impacting the FY24 budget.

General Capital Project Types FY23 vs. FY24

Project Type	FY23 Budget	FY23 Projected Actual	FY24 Budget
PW Fleet Replacement	$722,014	0	$1,007,587
Squad Car Replacement	$170,721	$117,505	$154,824
Fixed-Asset Repair/Replacement	$187,450	$141,928	$370,529
Municipal Facilities	$225,000	$4,500	$300,000
Street Maintenance Program	$2,095,530	$2,175,362	$3,441,058
General Capital Projects	$724,529	$386,616	$2,871,788

Highlights of FY24 New and Updated Projects
Below are brief descriptions of some of the projects that have been added or updated in the FY24 General Capital Fund. Further details are included in the Project Descriptions later in the document.

Street Maintenance Program:
The FY24 Street Maintenance Program (summer 2023) consists of two projects, North and South, for a total of $5.48 million, of which $2.74 million will come from the Water & Sewer Fund. The North project includes Apple Country, Water Stone, Wauconda Road, Karl Ct, Data Ln and Wauconda Rd. The North project has an estimated cost of $1.62 million which includes the roadway improvements and stormwater/drainage improvements. The south project, including Hubbard Woods, the downtown area and Kent Ave, is estimated to cost $3.6 million and includes the roadway, storm/drainage improvements, watermain replacement and sanitary sewer spot repairs. Engineering and construction management costs are $280,000.

Sidewalk Repair/Replacement:
One of the most frequent requests in the Village's service request system is for sidewalk repair and replacement. Year after year budgeted funding has been exhausted while making little progress in satisfying all requests that come in. This year's budget includes $75,000 as a recurring cost for sidewalks adjacent to the street improvement program and in other locations as needed. This number increases the quantities of sidewalk repairs/replacements to a level closer to satisfying the quantities of requests that come in. This number might be adjusted going forward after we see how far that budget will stretch.

Front End Loader:
The FY24 budget includes a new front-end loader for $267,000. Similar to the Vac Truck, the front-end loader is shared by all sections and is a vital piece of equipment within the Public Works Department. This unit is used for a variety of purposes some of which are tied to emergency management. A list of tasks include:

- Storm debris removal and clean up (fallen trees, broken limbs, damage to buildings)
- Snow and Ice operations (loading trucks with salt, pulling equipment from ditches, snow loading and hauling, pushing salt deliveries, street clearing)
- Hauling backfill for water breaks (sand and rock)
- Everyday uses:
    - loading trucks with dirt, rock, mulch, and sand
    - unloading deliveries (bucket can be converted to forklift)
    - cleaning drying beds
    - garbage removal and clean-up activities from larger special events
    - hauling, removing, pulling heavy equipment

The current loader is a 2007 Volvo and is showing signs of rusting, wear and tear, and the transmission has begun to have issues. The current market has shown difficulties purchasing trucks and equipment. A front-end loader is one piece of equipment we should be able to purchase relatively quickly before larger repairs begin to be needed.

339 S. Main Demolition:
For many years, the Village has owned and rented out the single-family home located at 339 S. Main St. next to the Police Station. Maintenance costs of the dwelling have far exceeded the revenues from rent. The tenant terminated their contract with the Village last fall and staff have determined that demolishing the building is the logical choice at this time. The demolition cost is estimated at $40,000.

Springbrook Cloud Conversion and Community Development Software:
The Village uses what is known as enterprise resource planning (ERP) software for our accounting, payments, invoicing, utility billing and more. The FY24 budget includes a project to move the software from an on-premise software to the cloud. An on-premise software is purchased one time (plus annual maintenance), whereas the cloud version is an on-going subscription and is the industry standard. If we do not make the move to the cloud, we will need to replace a server at Village Hall, which is one reason this is being planned now. In addition to moving the cloud, we will add the community development module which is a much-needed upgrade over our Excel-based tracking system now.

Police Department Generator Installation:
The Village ordered a new generator for the Police Department this fiscal year. The current generator is located inside building in the basement, which is not compliant with current building codes. Moving the generator out and installing the new one is scheduled for FY24. The electrical contractor who is completing the CAC generator relocation gave staff a budget estimate of $100,000, although the spec has yet to be written so clarifying that spec and competitive bidding will hopefully lead to a lower cost.

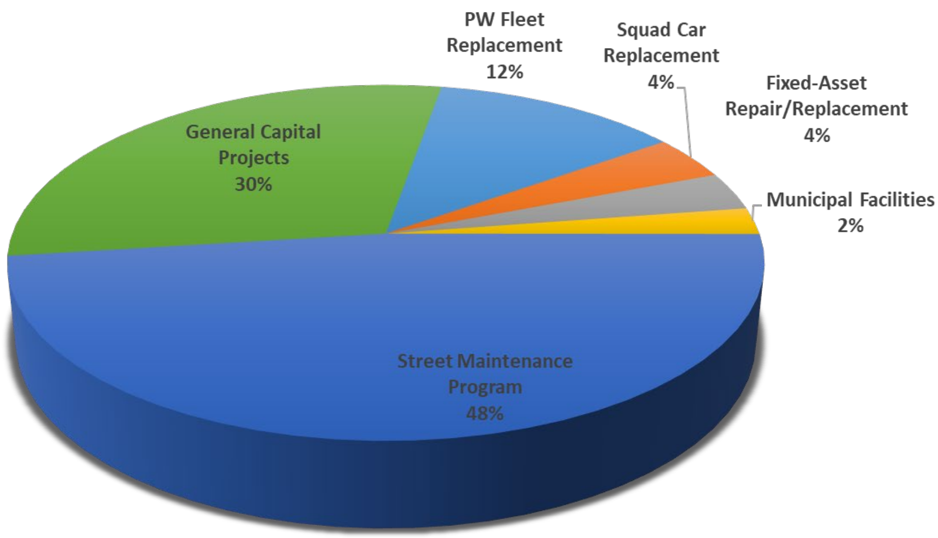
Village Hall Front Steps:
The Village Hall front steps are deteriorating, and the ADA ramp is not located in a place that would be convenient for visitors with disabilities as the handicapped parking spots are located on the opposite side of the building where the ADA ramp is installed. The project has an overall cost of $180,000 to reconstruct the steps and relocate the ramp. This will provide a much better aesthetic to visitors to our public facilities while providing more adequate accessibility to our patrons who need it.

Village Phone System:
The Village's phone system is more than 10 years old and is out of warranty. A new phone system will be cloud-based, which means that we will pay a subscription for the service rather than purchasing an on-premise system. We have recently experienced parts failures at Public Works that had the building without phone service for half a day, while we were fortunately able to procure a replacement part. It's probable that in the future these failures will continue to occur and we could be without phones for longer periods at a time.

Five-Year Outlook for General Capital Projects Fund and Fund Balance Implications

The total five-year projection for expenditures in the General Capital Project Fund is $24.64 million, with nearly half of that total being the Village's investment in street maintenance.

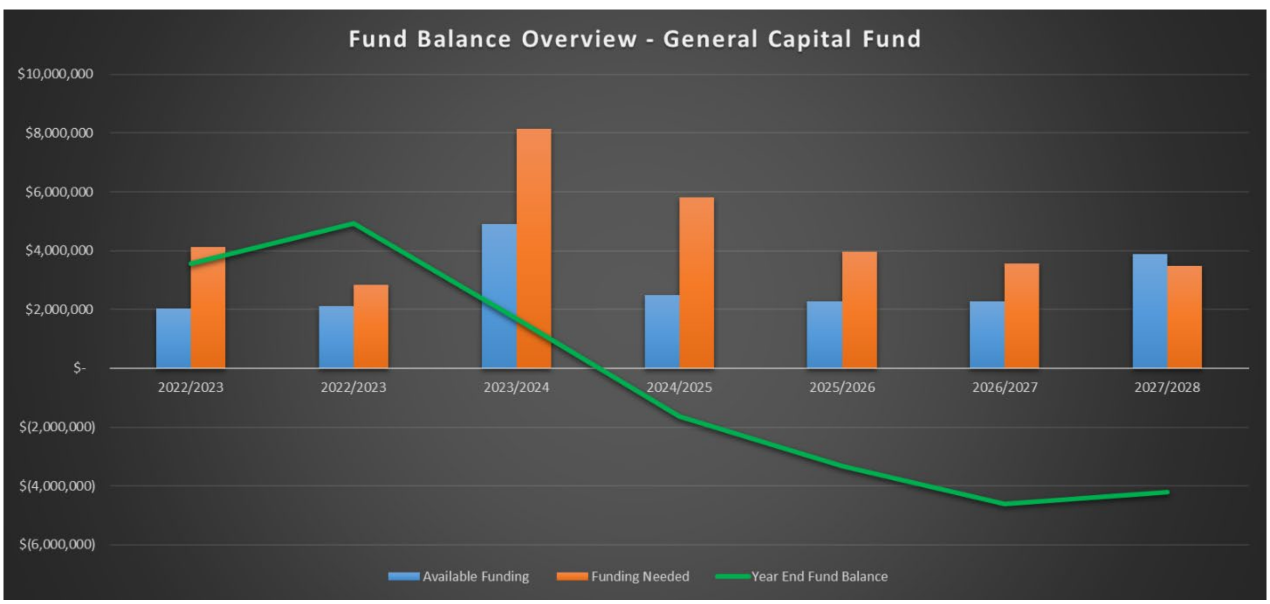
Project Type	Five-Year Expenditures
PW Fleet Replacement	$ 3,046,721
Squad Car Replacement	$ 986,006
Fixed-Asset Repair/Replacement	$ 851,006
Municipal Facilities	$ 600,000
Street Maintenance Program	$ 11,851,058
General Capital Projects	$ 7,338,788



Last year, the Village Board and staff discussed the long-term implications of increasing funding for the street maintenance program. The recommended level of funding for street maintenance will allow the Village to resurface a portion of roads each year indefinitely, keeping roads in serviceable condition and reducing the likelihood of more expensive reconstruction and the need to issue bonds. The projection as of February 2022 was that the Village would have a $1.5 million shortfall beginning in FY27, having built up sufficient fund balance in the General Fund to cover the increased investment in roads until that time. At the end of FY22, the Village Board authorized a transfer for $4.5 million in fund balance from the General Fund to the Capital Projects Fund. At the beginning of FY23, the General Capital Projects Fund had an available fund balance of $5.6 million.

The purpose of the table and chart below is to show that, even with the transfer last year, current fund balance levels are not sufficient to sustain the current projections for capital needs beyond FY24. Meeting the level of spending projected in the five-year CIP will require additional transfers of cash from the General Fund. It's important to note that the five-year outlook does not provide significant levels of funding for new facilities, upgrades to current facilities, or new funding for lake management. It also does not account for any stormwater projects that may be identified in the upcoming Stormwater Master Plan. There are very few extra items forecasted in the next five years.

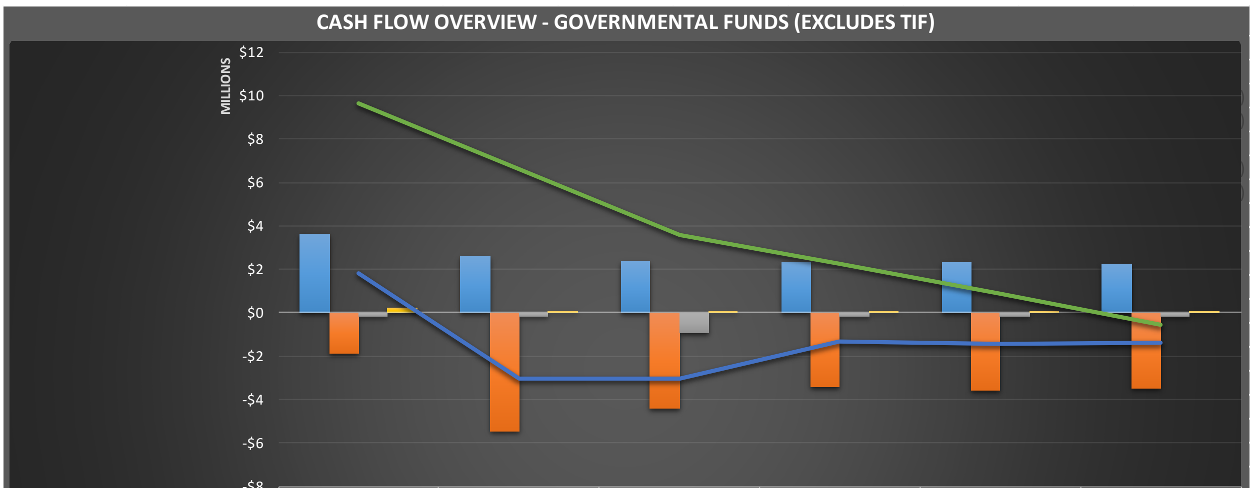
FUND BALANCE PROJECTION



Projected Cash Flows

The chart below shows combined cash flows from the General Fund, General Capital Fund, Motor Fuel Tax Fund and Debt Service Fund. Cash provided by operations plus any positive cash generated by investing activities is needed to fund any cash needed for capital and debt purposes. The higher than typical cash provided by operations reported in the FY23 actual column is the result of higher-than-anticipated state shared revenues, specifically sales and income tax, being projected for this fiscal year. In addition, the Village has benefited from interest rates that are much higher than what has been seen in the past decade, so interest income is much higher than budget. Interest income in future years is budgeted at the historically lower amount. Finally, the cash flows include in FY24 and FY25 include the potential Lake County STOCIP grant funding in the amount of $2.5 million for the Bangs Lake Outfall project. If the Village does not receive this grant, the project will be deferred until an external funding source is found.

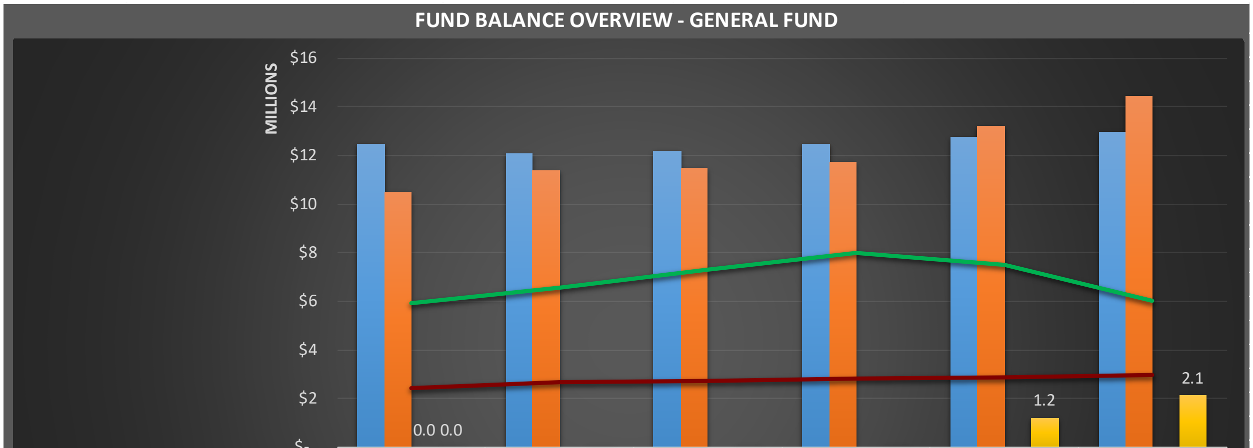
The chart shows that the Village is using more cash than it is bringing in over the next five years. The Village will need to find an additional funding source by 2027 when existing General Fund balances above the minimum fund balance have been exhausted. If no additional funding source were put in place, the Village would need to look at service or expenditure reductions or issue bonds to infuse cash into the capital fund to fund needed improvements.



	2022/2023 PA	2023/2024 AB	2024/2025 F	2025/2026 F	2026/2027 F	2027/2028 F
Cash provided by Operations	3,657,715	2,559,196	2,342,024	2,287,991	2,320,414	2,238,902
Cash used by Capital Outlay	(1,881,558)	(5,442,888)	(4,423,396)	(3,415,490)	(3,562,270)	(3,468,238)
Cash used by Financing	(173,901)	(167,614)	(960,250)	(182,050)	(182,100)	(182,000)
Cash provided by Investing	225,778	7,704	8,045	8,117	8,190	8,263
Net Cash Flow	1,828,034	(3,043,602)	(3,033,577)	(1,301,432)	(1,415,766)	(1,403,073)
Year End Cash Balance	9,659,787	6,616,185	3,582,608	2,281,176	865,410	(537,662)

The next chart shows the General Fund balance if no transfers are made to the General Capital Fund. Over the next year, staff will present a plan for transfers to the General Capital Fund, which will lower the available fund balance in the General Fund.

Conclusion:



	2022/2023 PA	2023/2024 AB	2024/2025 F	2025/2026 F	2026/2027 F	2027/2028 F
Available Funding	$12,473,731	$12,073,736	$12,190,544	$12,445,721	$12,734,427	$12,952,798
Funding Needed	10,480,147	11,401,311	11,478,173	11,739,091	13,215,168	14,422,966
Municipal Facilities Commitment	-	-	-	-	-	-
Street Program Commitment	-	-	-	-	1,217,083	2,121,000
Year End Fund Balance	5,900,584	6,573,009	7,285,380	7,992,010	7,511,269	6,041,101
Minimum Fund Balance (Per Policy)	2,446,287	2,676,578	2,725,793	2,812,273	2,878,271	2,956,742

The five-year funding outlook continues to show the need for new revenue that was contemplated under home rule authority. Even with better-than-expected revenues in the operating budget, it will be difficult to sustain this level of capital spending. As we complete additional studies and plans for our other infrastructure (stormwater, Bangs Lake), the five-year projection of expenditures could rise even further. Again, it's important to emphasize that the level of spending contemplated in this five-year capital budget only maintains the services and infrastructure that we have now. If the Village cannot access new revenue sources, we will be forced to defer important maintenance projects and run the risk that long-term costs will be even higher.

C. Water and Sewer Capital Project Fund

The Water and Sewer Capital Projects Fund accounts for all of the repair and rehabilitation for water and wastewater collections and treatment. Water/Sewer Capital Projects include major projects to maintain and replace the water infrastructure, wastewater treatment plant and the wastewater collections infrastructure. Funding for Water and Sewer Fund projects comes directly from rate payers or customers on the system. The Village has used IEPA loans in the past, which is repaid through rates, and bonds, which are repaid through either rates or the property tax levy.

The Water & Sewer Capital Projects Fund includes the following types of projects:

- PW Fleet Replacement
- Fixed-Asset Repair/Replacement
- Water/Sewer Capital Projects

Water/Sewer Capital Project Fund:

Project Type	Source Fund	Source
PW Fleet Replacement	Water/Sewer Fund	Department Contributions (20,21,27)
Fixed-Asset Repair/Replacement	Water/Sewer Fund	Department Contributions (20,21,27)
Water/Sewer Capital Projects	Water/Sewer Fund	W/S Revenues, IEPA Loans & Bonds (as needed)

As with general infrastructure, the Village has embarked on long-range planning for the Water & Sewer Fund to determine the necessary level of investment in the infrastructure systems. Over the past year, the following plans have been completed or underway:

- Wastewater Treatment Plant Facility Plan to expand the activated sludge system, and to meet the new IEPA standards for phosphorus levels, and recently expanded to include a high-level investigation of whether the Village has options to send wastewater to a regional facility
- Wastewater Asset Management Plan to identify capital needs for the collections system and other components at the plant not covered in the Facility Plan
- Water Asset Management Plan to identify capital needs for the water distribution system

Similar to the general capital infrastructure, as the plans have been completed, the five-year spending plan has been refined. Costs are significantly higher in the Water & Sewer Fund than projected last year primarily due to incorporating the facility plan recommendations and additional wastewater collections system repairs. As we look into the future, we know that we will have to plan for lead service line replacements when we complete road and watermain projects. The Water & Sewer Fund, similar to the General Capital Projects Fund, has seen higher costs and delays due to inflation and supply chain delays.

FY23 Projections

The FY23 budget included $3.3 million for Water & Sewer Fund capital projects as shown below.

- Fleet Replacement - $492,000
- Fixed Assets: $209,040
- Capital Projects: $2,593,220

The projection for FY23 actual spending is $2,270,814. This is primarily due to the delays in completing Lift Stations 11 and 12, which came in higher than budget but are so critically important that the Village Board authorized the staff recommendation to move ahead despite the overage. These projects are being rebudgeted at the appropriate amounts in in FY24. The components needed for the projects are on order and the projects are expected to be completed over the summer. The Aerobic Digesters project has also been delayed due to project components, so part of that project is being carried over into FY24.

FY24 Budget

The Water & Sewer Capital Projects include a total of $6.68 million in the project types shown below:

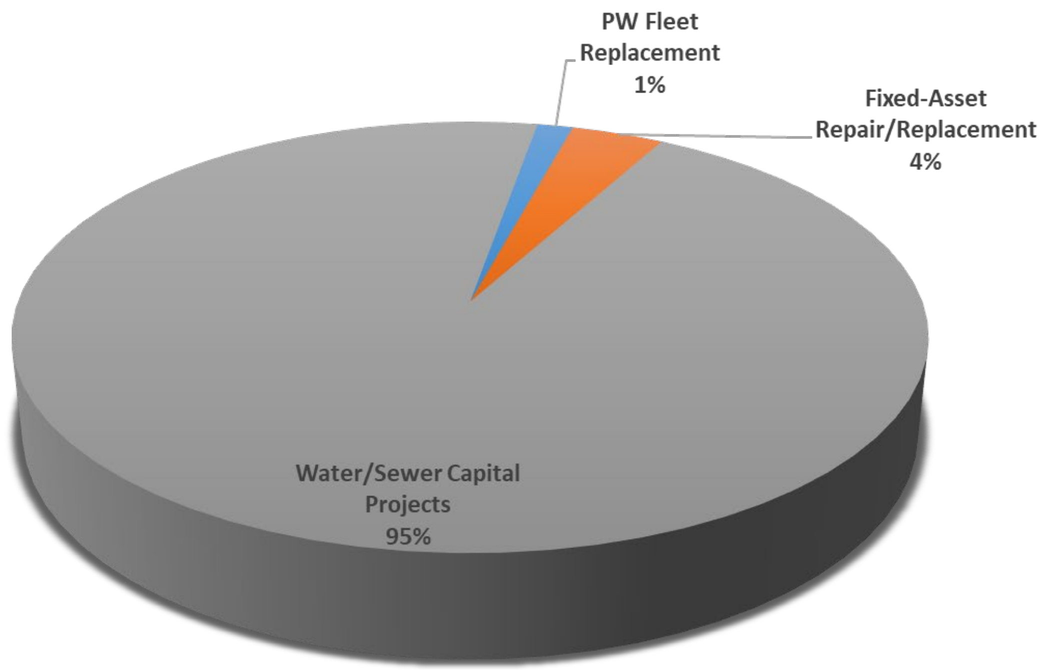
Project Type	FY 2024 Expenditures
PW Fleet Replacement	$ 111,564
Fixed-Asset Repair/Replacement	$ 381,814
Water/Sewer Capital Projects	$ 6,432,457

The table below shows the difference in project types as well as how the delays/deferrals of FY23 projects are impacting the FY24 budget.

Water & Sewer Capital Project Types FY23 vs. FY24

Project Type	FY23 Budget	FY23 Projected Actual	FY24 Budget
PW Fleet Replacement	$492,000	$454,392	$111,564
Fixed-Asset Repair/Replacement	$209,000	$134,004	$381,814
General Capital Projects	$2,593,220	$1,682,418	$6,432,457

Water/Sewer Capital Project Fund:



Highlights of FY24 New and Updated Projects
The biggest changes from FY23 are the maintenance and improvements that have been included in the five-year plan following the update to the Wastewater Asset Management Plan.

Sanitary Sewer Lining and Spot Repairs
The Wastewater Asset Management Plan recommends a budget for sanitary sewer lining and spot repairs. In FY24, the budget includes $670,000 for lining and spot repairs, which includes repairs in the areas of the street maintenance program.

Inflow & Infiltration Detection
The smoke testing and sanitary sewer televising programs have been combined into one line item related to identifying spots where water may be entering the system. The budget for FY24 is $275,000 for this recurring cost.

Lift Stations
Based on the recommendations in the Wastewater Asset Management plan, staff built lift station improvements into the five-year CIP. The FY24 proposed budget includes funding for electrical

improvements at Lift Stations 2A and 7 and the improvements to 11 and 12 which were scheduled for FY23.

Drying Bed Cover

Spoils from digs, and debris from sewer cleaning are temporarily stored at the Public Works facility prior to reuse/disposal. In most circumstances these materials are heavily laden with water and need to dry out. To dry these materials the Public Works Department utilizes a drying bed consisting of a concrete pad with runners full of sand spaced evenly across the length of the pad. Below is an underdrain system to convey water that drains through the runners. This drying bed is open to the air and elements, creating conditions unsuitable for its intended purpose when it rains. Staff intends to install a cover consisting of a metal arched frame covered by an impermeable fabric to keep the contents dry.

Wastewater Treatment Plant Activated Sludge Upgrade

Should the final phase of the facility plan find that the best option for future wastewater treatment be the Village's wastewater treatment plant, the engineering for the activated sludge expansion will begin this year in the amount of $500,000. Staff anticipates two years of engineering followed by construction over three years. This would consist of increased excess flow detention basins, a reconfigured headworks (receiving portion of plant), removal of the existing bio towers, installation of additional aeration basins, and modifications to the existing aeration basins that would allow all aeration basins to be employed in an activated sludge process capable of biological phosphorous removal with ancillary chemical phosphorous removal should it be needed. The planning stages are in early development and both staff and engineers are working together to explore options that make operational and financial sense for the long-term.

Watermain Replacement

The budget includes $1.97 million to replace old, undersized watermain in Hubbards Woods and along Church, Osage and Bangs Street. The current mains are 70 years old. New watermain will aid in reducing water loss.

<u>Water & Sewer Fund Five-Year Capital Plan</u>

As discussed above, the five-year plan for the Water & Sewer Fund has expanded in scope over the past year due to the completion of the Facility Plan and the Wastewater Asset Management Plan.

Water/Sewer Capital Projects Fund:

Project Type	Five-Year Expenditures
PW Fleet Replacement	$ 518,916
Fixed-Asset Repair/Replacement	$ 1,346,308
Water/Sewer Capital Projects	$ 33,611,354

WATER AND SEWER RATE OVERVIEW:

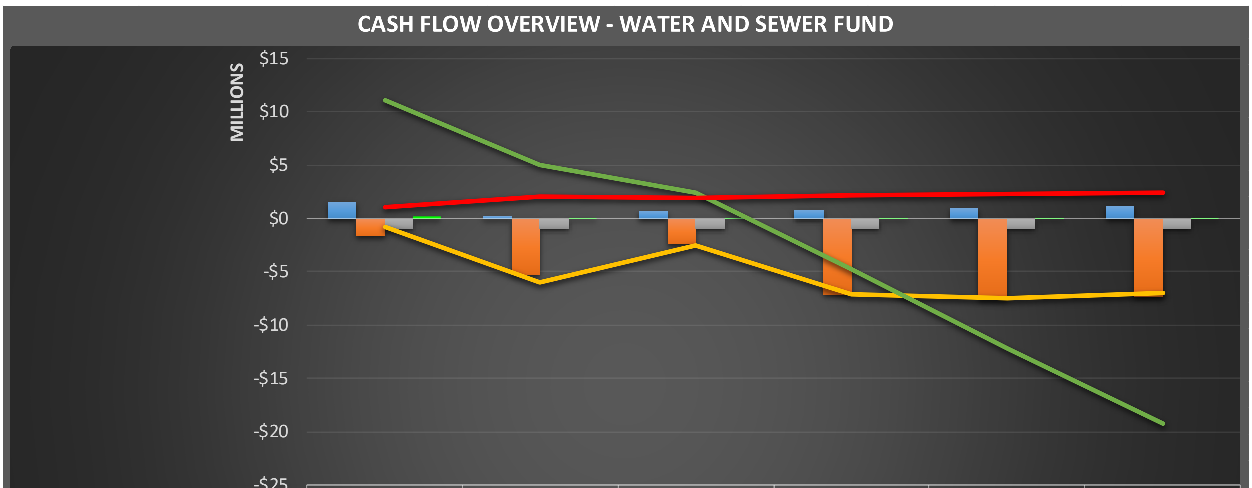
In this plan all capital funding needed by the Water and Sewer Fund is derived from the water and sewer rates charged to the users of the system. The five-year capital plan assumes water and sewer rates as outlined in the following table:

	Current	Eff. July 1, 2023	Eff. July 1, 2024	Eff. July 1, 2025	Eff. July 1, 2026	Eff. July 1, 2027
Water rate per 1,000 gal	$ 8.88	$ 9.41	$ 9.88	$ 10.28	$ 10.69	$ 11.12
Water rate per 1,000 gal Increase		6%	5%	4%	4%	4%
Sewer rate per 1,000 gal	$ 9.11	$ 9.47	$ 9.75	$ 10.14	$ 10.55	$ 10.97
Sewer rate per 1,000 gal increase		4%	3%	4%	4%	4%
Combined Water & Sewer Rate per 1,000	$ 17.99	$ 18.88	$ 19.63	$ 20.42	$ 21.24	$ 22.09
Minimum Charge (2,000 gal)	35.98	37.76	39.26	40.84	42.48	44.18
Combined rate increase		5%	4%	4%	4%	4%

The Village will not have cash on hand to complete the Wastewater Treatment Plant Facility Upgrade at a cost of $19 million; however, the State of Illinois IEPA loan program offers low-cost loans that can be paid off over 20 or 30 years. This repayment shifts the burden of paying for the project from current users to the users of the plant over the next 20-30 years. The current interest rate is 1.24%. Over 30 years, the annual repayment is approximately $760,000.

Water & Sewer Fund Cash Flows

The chart below shows that the Village will have enough cash on hand in the Water & Sewer Fund to complete projects over the next two years, but will dip below the minimum cash balance unless the IEPA loans are procured for the treatment plant project. After completing the Water Asset Management Plan and the Facilities Assessment for Public Works buildings, it will be prudent to reevaluate our rate plan to ensure rates continue to cover the future costs of the system.



	2022/2023 PA	2023/2024 AB	2024/2025 F	2025/2026 F	2026/2027 F	2027/2028 F
Cash provided by Operations	1,583,415	141,782	696,654	868,435	986,599	1,231,689
Cash used by Capital Outlay	(1,629,735)	(5,280,805)	(2,372,916)	(7,089,459)	(7,585,370)	(7,320,432)
Cash used by Financing	(912,902)	(908,320)	(904,527)	(920,487)	(887,943)	(921,821)
Cash provided by Investing	160,080	6,335	6,645	6,709	6,775	6,841
Net Cash Flow	(799,141)	(6,041,008)	(2,574,144)	(7,134,802)	(7,479,939)	(7,003,723)
Year End Cash Balance	11,032,673	4,991,665	2,417,522	(4,717,280)	(12,197,219)	(19,200,942)
Minimum Cash Balance	1,095,977	2,013,631	1,966,876	2,113,401	2,267,107	2,398,440

GENERAL CAPITAL PROJECT FUND:

General Capital Project Fund

Revenue & Expenditure Detail

(FY 24 – FY 28)

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
GENERAL CAPITAL PROJECT FUND - REVENUES AND SOURCES							
PW FLEET REPLACEMENT - SOURCES							
30-69-9213	PW FLEET REPLACEMENT - STREETS	310,000	310,000	260,000	260,000	260,000	265,000
TOTAL - PW FLEET REPLACEMENT - SOURCES		**310,000**	**310,000**	**260,000**	**260,000**	**260,000**	**265,000**
SQUAD CAR REPLACEMENT - SOURCES							
30-61-9212	SQUAD CAR REPLACEMENT - PD	120,000	120,000	145,000	155,000	155,000	155,000
TOTAL - SQUAD CAR REPLACEMENT - SOURCES		**120,000**	**120,000**	**145,000**	**155,000**	**155,000**	**155,000**
FIXED-ASSET REPAIR/REPLACEMENT - SOURCES							
30-62-9210	REPLACEMENT CONTRIB - ADMIN	10,000	10,000	12,500	15,000	15,000	15,000
30-63-9211	REPLACE CONTRIB - COMM. DEV.	8,500	8,500	10,000	10,000	8,500	8,000
30-64-9212	REPLACE CONTRIB - POLICE	70,000	70,000	80,000	85,000	85,000	85,000
30-65-9213	REPLACE CONTRIB - PW	25,000	25,000	35,000	45,000	45,000	45,000
30-67-9250	REPLACE CONTRIB - LAKE MGMT.	2,000	2,000	2,000	2,000	2,000	2,000
TOTAL - FIXED-ASSET REPAIR/REPLACEMENT - SOURCES		**115,500**	**115,500**	**139,500**	**157,000**	**155,500**	**155,000**
STREET MAINTENANCE PROGRAM - SOURCES							
30-73-9200	GF CONTRIB: STREET MAINT.	-	-	-	-	1,217,083	2,121,000
30-73-9201	MFT CONTRIB: STREET MAINT.	-	650,000	-	650,000	-	650,000
30-73-9202	MFT REBUILD ILLINOIS CONTRIB	-	480,893	-	-	-	-
TOTAL - STREET MAINTENANCE PROGRAM SOURCES		**-**	**1,130,893**	**-**	**650,000**	**1,217,083**	**2,771,000**
MUNICIPAL FACILITIES - SOURCES							
30-74-9200	GF CONTRIB: MUNI. FACILITIES	-	-	-	-	-	-
GENERAL CAPITAL PROJECTS - SOURCES							
30-71-9200	GF CONTRIB: GEN CAP PROJ.	695,000	695,000	575,000	490,000	485,000	475,000
INTEREST INCOME							
30-00-3810	INTEREST	-	319	319	319	319	319
30-00-3811	INTEREST - ILLINOIS FUNDS	-	-	-	-	-	-
30-00-3812	INTEREST - MAXSAFE	111,536	2,347	2,464	2,489	2,514	2,539
TOTAL - INTEREST INCOME		**111,536**	**2,666**	**2,783**	**2,808**	**2,833**	**2,858**
NON-RECURRING REVENUES							
30-00-3915	IPRF SAFETY GRANT	19,879	10,000	10,000	10,000	10,000	10,000
30-00-3916	GRANTS - CAPITAL	64,176	1,800,000	785,000	-	-	-
30-00-3917	GRANTS - ARPA	550,000	550,000	550,000	550,000	-	-
30-00-3992	REIMBURSEMENTS - CAPITAL	-	32,500	33,000	-	-	-
30-12-9201	TRANSFER FROM DRUG FORFEITURE	-	26,000	-	-	-	60,000
30-12-9202	TRANSFER FROM IMPOUNDMENT	117,620	120,000	-	-	-	-
30-00-3990	MISCELLANEOUS	-	100	100	100	100	100
TOTAL - NON-RECURRING REVENUES		**751,675**	**2,538,600**	**1,378,100**	**560,100**	**10,100**	**70,100**
TOTAL GEN. CAPITAL PROJECT REVENUES AND SOURCES		**2,103,711**	**4,912,659**	**2,500,383**	**2,274,908**	**2,285,516**	**3,893,958**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
GENERAL CAPITAL PROJECT FUND - EXPENSE							
PW FLEET REPLACEMENT							
30-69-8400	**PW FLEET REPLACEMENT**						
PWF001	Vehicle - Car/SUV #1(ST 33%/ WS 67%)	-	-	-	-	-	-
PWF002	Vehicle - Car/SUV #2(ST 33%/ WS 67%)	-	-	-	-	-	-
PWF090	Vehicle - Chipper Truck	-	133,750	-	-	-	-
PWF013	Vehicle - PW Pickup #4	-	-	-	-	-	-
PWF016	Vehicle - PW Pickup #5	-	51,586	-	-	-	-
PWF025	Vehicle - PW Pickup #8	-	-	-	-	-	-
PWF029	Vehicle - PW Pickup #9	-	-	59,889	-	-	-
PWF005	Vehicle - Pickup w/Crane #1	-	-	-	-	-	-
PWF007	Vehicle - 5 Ton Dump #1	-	-	-	240,146	-	-
PWF009	Vehicle - 5 Ton Dump #2	-	-	233,152	-	-	-
PWF014	Vehicle - 5 Ton Dump #3	-	199,020	-	-	-	-
PWF017	Vehicle - 5 Ton Dump #4	-	-	-	-	248,552	-
PWF018	Vehicle - 5 Ton Dump #5	-	-	-	240,146	-	-
PWF019	Vehicle - 5 Ton Dump #6	-	230,234	-	-	-	-
PWF020	Vehicle - PW Pickup #6	-	51,586	-	-	-	-
PWF022	Vehicle - 5 Ton Dump #7	-	-	-	-	-	253,523
PWF023	Vehicle - 5 Ton Dump #8	-	-	-	-	248,552	-
PWF027	Vehicle - 5 Ton Dump #9	-	-	-	-	248,552	-
PWF028	Vehicle - Bucket Truck #1	-	243,960	-	-	-	-
PWF031	Vehicle - 5 Ton Dump #10	-	-	-	-	-	266,623
PWF032	Vehicle - Pickup w/Dump #1	-	97,451	-	-	-	-
PWF037	Vehicle - 5 Ton Dump #11	-	-	-	-	-	-
PWF038	Vehicle - 5 Ton Dump #12	-	-	-	-	-	-
PWF036	Vehicle - Street Sweeper #1	-	-	-	-	-	-
TOTAL - PW FLEET REPLACEMENT		**-**	**1,007,587**	**293,041**	**480,293**	**745,655**	**520,145**
SQUAD CAR REPLACEMENT							
30-61-8400	**SQUAD CAR REPLACEMENT**						
PD0100	Squad - Admin #1	-	-	-	-	42,519	-
PD0102	Squad - Admin #2	-	-	-	-	-	43,369
PD0106	Squad - Detective #1	-	-	39,884	-	-	-
PD0104	Squad - Detective #2	-	-	39,884	-	-	-
PD0105	Squad - Detective #3	-	-	-	41,081	-	-
PD0107	ATV #1 (PD)	-	-	-	-	-	-
PD0108	ATV #2 (Lake Mgmt 75%/PD 25%)	-	-	-	-	-	-
PD0110	Squad - Patrol #1 (Watch Com.)	62,033	-	-	-	72,889	-
PD0111	Squad - Patrol #2 w/Mod's	-	-	74,401	-	-	-
PD0112	Squad - Patrol #3 w/Mod's	55,472	-	-	64,556	-	-
PD0113	Squad - Patrol #4 w/Mod's	-	70,930	-	-	-	-
PD0114	Squad - Patrol #5 w/Mod's	-	-	-	-	-	82,141
PD0115	Squad - Patrol #6 w/Mod's	-	70,930	-	-	-	-
PD0116	Squad - Patrol #7 w/Mod's	-	-	-	-	-	82,141
PD0117	Squad - Patrol #8 w/Mod's	-	-	-	-	-	82,141
PD0118	Squad - Patrol #9 w/Mod's	-	-	-	77,807	-	-
PD0119	Squad - K-9 #1 (Forfeiture Funds)	-	-	-	88,371	-	-
PD0121	Squad Cam System	-	12,963	-	-	-	-
PD0128	Squad - CSO Modifications	-	-	-	-	-	-
TOTAL - SQUAD CAR REPLACEMENT		**117,505**	**154,824**	**154,170**	**271,814**	**115,408**	**289,792**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
FIXED-ASSET REPAIR/REPLACEMENT							
30-62-8600	**FIXED-ASSET R/R - ADMIN**						
ADM001	Copier - VH	-	-	-	-	-	-
ADM002	Generator - VH	-	10,700	-	-	-	-
ADM003	Paperless AP Equip. & Install	-	-	-	-	-	-
ADM004	Flooring Replacement - VH	-	20,000	-	-	-	-
ADM005	Back Entrance Stairs - VH	-	30,000	-	-	-	-
ADM006	Furnace Replacement	-	16,000	-	-	-	-
ADM007	Condenser Replacement	-	18,000	-	-	-	-
IT0001	IT - Server Hardware Upgrade	428	-	-	-	-	-
IT0004	IT - Workstation Replacements	6,817	5,640	-	10,000	7,000	6,000
SUBTOTAL - FIXED-ASSET R/R - ADMIN		**7,245**	**100,340**	**-**	**10,000**	**7,000**	**6,000**
30-63-8600	**FIXED-ASSET R/R - COMM. DEV.**						
CD001	Copier - CD	4,458	-	-	-	-	-
CD002	Plotter/Scanner - CD	7,284	-	-	-	-	-
CD003	Carpet Replacement - CD	-	10,000	-	-	-	-
CD004	Furnace/Condenser Replacement - CD	-	16,000	-	-	-	-
CD005	Exterior Building Maintenance - CD	-	10,000	-	-	-	-
IT0001	IT - Server Hardware Upgrade	-	-	-	-	-	-
IT0005	IT - Workstation Replacements	2,133	-	-	5,500	2,000	-
SUBTOTAL - FIXED-ASSET R/R - COMM. DEV.		**13,875**	**36,000**	**-**	**5,500**	**2,000**	**-**
30-64-8600	**FIXED-ASSET R/R - PD**						
PD0124	StarCom Radios	-	76,792	76,792	76,792	-	-
PD0125	HVAC Equipment - Air Handlers (2)	62,390	-	-	-	-	-
PD0126	Tasers (23)	-	-	-	34,625	-	-
PD0131	Tasers (4)	5,261	-	-	-	-	-
PD0127	PD Generator	-	-	-	-	-	-
PD0129	Copier - PD Admin	-	-	-	-	7,167	-
PD0130	Digital Repeater	-	-	-	-	15,793	-
PD0132	New K9/Handler Training	13,800	-	-	-	-	-
PD0133	Officer Body Cams (PD 95%/Lake Mgmt 5%	-	35,578	-	-	-	-
PD0136	Sever Rm - Battery Backup Sys.	16,367	-	-	-	-	-
PD0140	Speed Trailer	-	15,452	-	-	-	-
IT0001	IT - Server Hardware Upgrade	2,410	-	-	-	-	-
IT0010	IT - CCTV Server Upgrade	4,620	-	-	-	-	-
IT0003	IT - Workstation Replacements	7,595	12,334	14,421	10,500	7,000	13,000
SUBTOTAL - FIXED-ASSET R/R - PD		**112,443**	**140,155**	**91,213**	**121,917**	**29,960**	**13,000**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
30-65-8600	**FIXED-ASSET R/R - PW**						
IT0001	IT - Server Hardware Upgrade	643	-	-	-	-	-
IT0006	IT - Workstation Replacements	-	-	6,700	2,000	-	-
PWF051	Equip - Backhoe (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF052	Equip - Roller (ST 33%/ WT 33%/ SW 34%)	-	-	-	16,041	-	-
PWF053	Equip - Front End Loader(ST 33%/WT33%/S	-	89,112	-	-	-	-
PWF084	Equip - Refurbish Front End Loader	-	-	-	-	-	-
PWF054	Equip - Skid Steer Loader #1	-	-	-	70,424	-	-
PWF055	Equip - Skid Steer Loader #2	-	-	-	-	-	-
PWF056	Equip - UTV (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF061	Equip - Mini Excavator (ST 33%/ WT 33%/ SW 34	-	-	-	-	41,347	-
PWF062	Equip - Chipper	-	-	-	-	-	-
PWF064	Equip - Mower	-	-	-	-	-	-
PWF065	Equip - Air Comp (ST 33%/ WT 33%/ SW 34%)	-	-	-	10,211	-	-
PWF066	Equip - Hot Box	-	-	-	-	-	-
PWF070	Equip - 6" Pump #1 (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF071	Equip - 6" Pump #2 (ST 33%/ WT 33%/ SW 34%)	-	-	5,698	-	-	-
PWF057	Attachment - Asphalt Grinder	-	-	-	-	-	-
PWF058	Attachment - Snowblower	-	-	-	-	-	-
PWF059	Attachment - Sweeper Box	-	-	-	-	-	-
PWF060	Attachment - Jackhammer	-	-	-	9,390	-	-
PWF072	Attachment - Snow Plow Blade Upgrade	-	-	13,675	-	-	14,869
PWF073	Garage Door (ST 33%/ WT 33%/ WWC 34%)	-	-	-	-	-	-
PWF082	Holiday Decorations - Main St	5,798	-	-	-	-	-
PWF087	Copier - PW (ST 33%/ WT 33%/ WWC 34%)	1,870	-	-	-	-	-
PWF088	Garage Floor Drain Repair (ST 33%/ WT 33%/ WW	-	-	-	-	-	-
PWF089	PW Keyless Entry System (ST 33%/ WT 33%/ WW 3	-	-	-	-	-	-
SUBTOTAL - FIXED-ASSET R/R - PW		**8,311**	**89,112**	**26,072**	**108,067**	**41,347**	**14,869**
30-67-8600	**FIXED-ASSET R/R - LAKE MGMT.**						
PD0108	ATV #2 (Lake Mgmt 75%/PD 25%)	-	-	-	-	-	-
PD0122	Marine Unit #1	-	-	-	-	-	-
PD0123	Marine Unit #2	-	-	-	-	-	-
PD0133	Officer Body Cams (PD 95%/Lake Mgmt 5%	-	1,873	-	-	-	-
PD0134	Bouy Replacement (15)	-	3,050	-	-	-	3,531
IT0001	IT - Server Hardware Upgrade	54	-	-	-	-	-
PWF063	Equip - Weed Harvester	-	-	-	-	-	-
SUBTOTAL - FIXED-ASSET R/R - LAKE MGMT.		**54**	**4,922**	**-**	**-**	**-**	**3,531**
TOTAL - FIXED-ASSET REPAIR/REPLACEMENT		**141,928**	**370,529**	**117,285**	**245,484**	**80,307**	**37,401**

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
STREET MAINTENANCE PROGRAM							
30-73-8500	**STREET MAINTENANCE PROGRAM**						
REC-001	Street Maintenance Program	2,175,362	2,410,165	1,532,000	2,086,000	2,121,000	2,121,000
FY21-006	Main Street FAU Engineering Phase II	-	-	-	-	-	-
FY22-007	Rebuild Illinois Program	-	480,893	-	-	-	-
FY23-017	Street Maintenance - ARPA Funds	-	550,000	550,000	-	-	-
TOTAL - STREET MAINTENANCE PROGRAM		**2,175,362**	**3,441,058**	**2,082,000**	**2,086,000**	**2,121,000**	**2,121,000**
MUNICIPAL FACILITIES							
30-74-8500	**MUNICIPAL FACILITIES**						
FY23-019	Municipal Facility Preparation	4,500	300,000	-	300,000	-	-
TOTAL - MUNICIPAL FACILITIES		**4,500**	**300,000**	**-**	**300,000**	**-**	**-**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
GENERAL CAPITAL PROJECTS							
30-71-8500	**GENERAL CAPITAL PROJECTS**						
Reccuring Projects:							
REC-002	Annual IPRF Safety Grant Project	25,282	10,000	10,000	10,000	10,000	10,000
REC-005	EDC - Façade Grant Program	12,000	30,000	40,000	50,000	50,000	50,000
REC-008	Sidewalk Replacement Program	12,000	75,000	75,000	75,000	75,000	75,000
SUBTOTAL - Reccuring Projects		**49,282**	**115,000**	**125,000**	**135,000**	**135,000**	**135,000**
FY 19/20 Projects:							
FY20-002	Larkdale Storm Sewer Rehab	595	-	-	-	-	-
FY20-009	Jackson Avenue Spillway Rehab (Design)	-	-	-	-	-	-
SUBTOTAL - FY 19/20 Projects		**595**	**-**	**-**	**-**	**-**	**-**
FY 20/21 Projects:							
FY21-003	Jackson Avenue Spillway Rehab (Construction)	14,000	98,000	-	-	-	-
FY22-001	Bangs Lake Drain/Osage Bank Stabilization	-	-	-	-	-	-
FY22-003	Park Street Drainage Improvements	-	-	-	-	-	-
SUBTOTAL - FY 20/21 Projects		**14,000**	**98,000**	**-**	**-**	**-**	**-**
FY 21/22 Projects:							
FY22-001	Bangs Lake Drain/Osage Bank Stabilization	98,000	-	-	-	-	-
FY22-002	Ridge Ave Drainage Improv. - Engineering	19,000	-	-	-	-	-
FY22-003	Park Street Drainage Improvements	4,000	-	-	-	-	-
FY22-004	Rear Yard Storm Sewer Assessment & Repair	20,150	80,000	-	-	-	-
FY22-005	New Municipal Facility Study	22,837	-	-	-	-	-
FY22-006	Existing Facilities Assessment	14,250	-	-	-	-	-
FY22-010	9/11 Memorial Rehab	17,752	-	-	-	-	-
SUBTOTAL - FY 21/22 Projects		**195,989**	**80,000**	**-**	**-**	**-**	**-**
FY 22/23 Projects:							
FY23-001	Ridge Ave Drainage Improv. - Construction	10,000	190,000	-	-	-	-
FY23-005	Lake Management Plan/(Lake Study)	10,000	20,310	-	-	-	-
FY23-006	Memorial Park Site Improvements	10,000	30,000	-	-	-	-
FY23-007	Facility Maintenance Plan	23,000	-	-	-	-	-
FY23-009	CAC - Electrical/Generator Relocation	38,750	38,750	-	-	-	-
FY23-010	Comprehensive Development Plan-10 YR	-	20,000	15,000	-	-	-
FY23-011	Development Codes Update	-	12,000	32,000	32,000	-	-
FY23-013	Econ. Dev. Consultant (Gen Cap/TIF)	24,000	27,500	25,000	-	-	-
FY23-018	PD Digital Records Conversion - Laserfiche		10,000	3,000	-	-	-
FY23-015	Mill St. Storm Sewer Repair/Raplce	11,000	158,000	-	-	-	-
FY23-003	VH Flooring, Painting & ADA Reconfiguration		40,000	-	-	-	-
SUBTOTAL - FY 22/23 Projects		**126,750**	**546,560**	**75,000**	**32,000**	**-**	**-**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
FY 23/24 Projects:							
FY24-002	Pine St. Detention Basin Cleaning		25,000	-	-	-	-
FY24-005	Bangs Lake Outfall Project (Lake County) - Design & Eng.		265,000	220,000	-	-	-
FY24-006	Bangs Lake Outfall Project (Lake County) - Construction		1,000,000	2,200,000	-	-	-
FY24-032	Lake Shore/Grand Blvd STP		70,000	100,000	-	-	-
FY24-008	Facility Plan - Lead Service Lines (Req. for Grant)		-	-	-	-	-
FY24-009	Stormwater Master Plan		75,000	-	-	-	-
FY24-012	339 S Main St - Demo		40,000	-	-	-	-
FY24-014	Anderson Rd Culvert Replacement		70,000	-	-	-	-
FY24-016	Facility Assessment and Maintenance Plan (GF 10/WS 90)		5,160	-	-	-	-
FY24-021	Phone System Replacement		20,000	-	-	-	-
FY24-022	Welcome Signs Upgrades		-	-	50,000	-	-
FY24-023	Outdoor Space/Mural		15,000	-	-	-	-
FY24-024	Springbrook Cloud Conversion		48,568	-	-	-	-
FY24-026	Building Maintenance and Repairs		-	75,000	75,000	75,000	75,000
FY24-027	Street Improvement Program (Engineering)		80,000	-	-	-	-
FY24-028	PD Generator Installation		100,000	-	-	-	-
FY24-029	Network Hardware Upgrade		19,000	-	-	-	-
FY24-030	Springbrook Building Permit & Code Enforcement - CD		18,500	-	-	-	-
FY24-031	VH Front Step and ADA Ramp Relocation		181,000	-	-	-	-
SUBTOTAL - FY 23/24 Projects			**2,032,228**	**2,595,000**	**125,000**	**75,000**	**75,000**
FY 24/25 Projects:							
FY25-002	Capital Projects - TBD			300,000	-	-	-
FY25-003	Bonner Road Bike Path - Phase I Engineering			60,000	-	-	-
SUBTOTAL - FY 24/25 Projects				**360,000**	**-**	**-**	**-**
FY 25/26 Projects:							
FY26-002	Capital Projects - TBD				300,000	-	-
SUBTOTAL - FY 25/26 Projects					**300,000**	**-**	**-**
FY 26/27 Projects:							
FY27-001	Capital Projects - TBD					300,000	-
SUBTOTAL - FY 26/27 Projects						**300,000**	**-**
FY 27/28 Projects:							
FY28-001	Capital Projects - TBD						300,000
SUBTOTAL - FY 27/28 Projects							**300,000**
TOTAL - GENERAL CAPITAL PROJECTS		**386,616**	**2,871,788**	**3,155,000**	**592,000**	**510,000**	**210,000**
TOTAL GENERAL CAPITAL PROJ. FUND EXPENDITURES		**2,825,911**	**8,145,786**	**5,801,496**	**3,975,590**	**3,572,370**	**3,178,338**

GENERAL CAPITAL PROJECT FUND:

Project Descriptions

Project Title: Street Maintenance Program

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$11,839,058	**$0.00**	**$3,441,058**	**$2,109,000**	**$2,082,000**	**$2,086,000**	**$2,121,000**	

Description: Annual Street Maintenance Program including street resurfacing and rebuilding.

The Village's street system is composed of:
- Approximately 51 miles of pavement

- Major Collectors (FAU) include:
  - Main Street (Reapply STP)*
  - Gossell Road
  - Garland Road
  - Grand/Lake Shore Blvds (Apply STP)*
  - Slocum Lake Road
  - Brown Street

- Minor Collectors (FAU)
  - Callahan Road

- Local Roads

* STP- Surface Transportation Program:

The Fixing America's Surface Transportation (FAST) Act provides a suballocation of Surface Transportation Block Grant (STBG) funding to the CMAP urbanized area from funds apportioned to the State of Illinois for a broad range of eligible transportation projects.

YEAR 2023-24 BUDGET BREAKDOWN

Construction Funding:
$550,000 ARPA Funds
$1,130,893 RBI/MFT Funds
$1,530,165 Fund Balance
$3.2M Total Construction

Engineering Expense:
$230,000 Construction Services

Schedule of Activities	From - To	Amount
Construction	5/1/23 - 4/30/24	$3,211,058.00
Construction Services	5/1/23 - 4/30/24	$230,000.00

Funding Source for FY2024	Amount
ARPA Funds	$550,000.00
RBI Funds	$480,893.10
MFT Funds	$650,000.00
Fund Balance	$1,760,165.00

Project Title: Street Maintenance Program (Continued)

Department: Public Works

PROPOSED 2023 (FY24) PROJECT SCOPE

Project A:

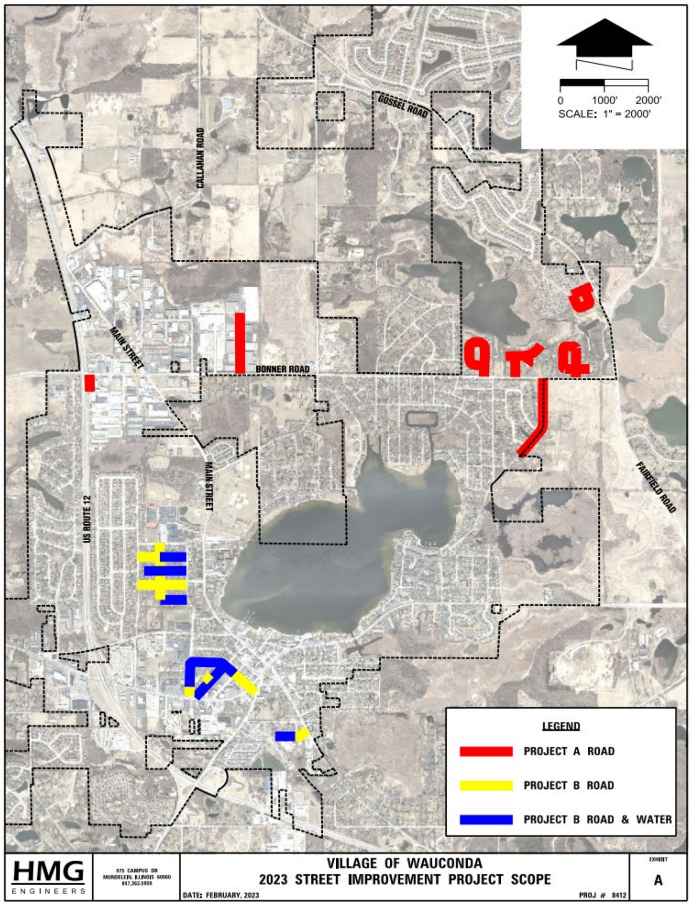
- -Apple Country
  - -Roxbury Ln
  - -Baldwin Ln
  - -Cortland Ln
  - -Cortand Ter
  - -Macintosh Dr
  - -Jonathan Ct
- -Water Stone
  - -Water Stone Cir
- -Wauconda Rd
- -Karl Ct
- -Dato Ln

Project B:

- -Hubbard Woods
  - -Orton Ave
  - -Lewis Ave
  - -George Ave
  - -Helena Ave
  - -Daniel St
- -Downtown Area
  - -Osage St
  - -Bangs St
  - -Church St
- -Kent Ave

Project Title: Street Maintenance Program (Continued)

Department: Public Works



Project Title: Village Hall Front Steps and ADA Ramp Reconstruction

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$181,000.00	**$0.00**	**$181,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: The project will relocate the ADA ramp to connect to the accessible parking spaces in the Village Hall parking lot. Currently, the entrance to the ramp is located 135 feet away from the parking spaces and the hand railings are rusted. In addition, the steps into the building are deteriorating. The entire front entrance steps and ramp will be demolished to accommodate the new ramp and landing design. Accessible door opening equipment will also be added.

Purpose & Need: The strategic plan identified a desired outcome of facilities that meet service demands. The current condition of the steps is poor.

Impact of Future Operating Budget: None

Schedule of Activities	From - To	Amount
Architecture and Engineering	5/23-7/23	$22,000.00
Construction	7/23 - 10/23	$159,000.00

Funding Source	Amount
General Fund	$181,000.00

Project Title: Outdoor Space/Mural

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$15,000.00	**$0.00**	**$15,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: As part of our economic development strategy, this will add a mural to a wall on a downtown building, as well as some landscaping improvements around the site of the mural. Staff is working in partnership with the Chamber of Commerce and Mis Plantitas. We will apply for a grant to potentially offset the cost.

Purpose & Need: The purpose of this project is to provide an additional reason for vistors to come and linger along Main Street.

Impact of Future Operating Budget: None

Schedule of Activities	From - To	Amount
Design	5/23-7/23	$0.00
Construction	7/23 to 9/23	$15,000.00

Funding Source	Amount
General Fund	$15,000.00

Project Title: Jackson Avenue Spillway Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$100,000.00	**$14,000.00**	**$86,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: In 2009, a bio-swale/vegetated channel was constructed to replace a concrete spillway at this location. Over time the bio-swale has badly eroded and is in need of rehabilitation. The scope of work includes the rehabilitation of the existing bio-swale, reinstatement of the previous concrete spillway to better manage flows and transform the mowed buffer area to a natural prairie/butterfly garden area. This project was recently rewarded a $40,000.00 SIRF grant from Lake County Stormwater Managment.

Purpose & Need: The purpose of the bio-swale is to reduce sediment deposit into the Circle Channel and subsequently improve the water quality of Bangs Lake. Over time the bio-swale has badly eroded and is in need of rehabilitation. During storm events, water comes rushing down the bio-swale. Also, because the upstream end of the bio-swale is higher than the upstream end of the concrete spillway, standing water and backups are being experienced in the upstream storm sewers.

Impact of Future Operating Budget: The proposed project will assist with preventing flooding and standing water in the area that may require Public Works to respond. Additionally, the improvements will prevent additional beach and shoreline erosion.

Schedule of Activities	From - To	Amount
Engineering	5/22 - 4/24	$25,400.00
Construction	5/23 - 4/24	$74,600.00

Funding Source	Amount
General Fund	$60,000.00
SIRF Funding (Reimbursement TBD)	$40,000.00

Project Title: Lake Management Plan Update (Lake Study)

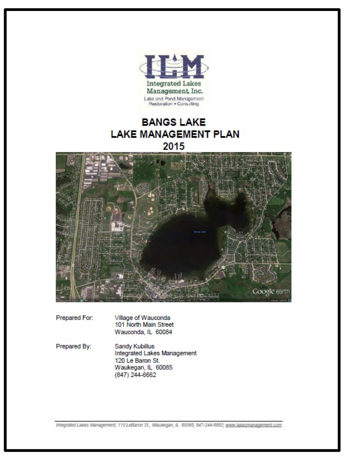
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$32,510.00	**$12,200.00**	**$20,310.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves updating the 2015 Bangs Lake Management Plan.

Purpose & Need: In 2015, Integrated Lakes Management completed an evaluation of Bangs Lake and created a Lake Management Plan. The plan identified the lake features and provided recommendations for the long-term care of the lake. A revised plan will provide a current assessment for more accurate planning and budgeting purposes.

Impact of Future Operating Budget: The plan will identify future maintenance needs that do not currently have a funding source.


Integrated Lakes Management, Inc.
Lake and Pond Management
Restoration • Consulting

BANGS LAKE
LAKE MANAGEMENT PLAN
2015

Prepared For: Village of Wauconda
101 North Main Street
Wauconda, IL 60084

Prepared By: Sandy Kubillus
Integrated Lakes Management
120 Le Baron St.
Waukegan, IL 60085
(847) 244-6662

Integrated Lakes Management; 110 LeBaron St., Waukegan, IL 60085; 847-244-6662; www.lakesmanagement.com

Schedule of Activities	From - To	Amount
Engineering	10/22 - 8/23	$32,510.00

Funding Source	Amount
General Fund	$32,510.00

Project Title: Mill Street Drainage Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$164,000.00	**$11,000.00**	**$153,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves replacement and/or repair improvements to the 12"-15" RCP storm sewer that runs from Main St. east to the lake.

Purpose & Need: The Homeowner's Association for 129 Mill St. is planning to resurface their parking lot in 2022 or 2023. There are several deficiencies with the Village's storm sewer which travels under and through their parking lot, which they would like the Village to correct prior to their resurfacing work.

Impact of Future Operating Budget: None.

Schedule of Activities	From - To	Amount
Design	5/22 - 4/24	$26,800.00
Construction	5/23 - 4/24	$137,200.00

Funding Source	Amount
General Fund	$164,000.00

Project Title: Rear Yard Storm Sewer Assessment and Repair

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$144,850.00	**$64,850.00**	**$80,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: The assessment and subsequent repair of side and rear yard public storm sewer.

Purpose & Need: The Village recently confirmed the maintenance responsibilities of rear and side yard storm sewers in the following newer subdivisions: Orchard Hills, Apple Country, Oak Grove, Saddlewood, Aspen Grove, and Waterstone. Prior to this determination, the storm sewer was thought to be the responsibility of the respective Homeowners Association. It has been approximately 20 years since some of these subdivisions were constructed and it is recommended to assess the infrastructure and repair accordingly.

Impact of Future Operating Budget: The proposed assessment and repair will minimize the potential for a more disruptive and costly catastrophic failure in the future.

Schedule of Activities	From - To	Amount
Engineering Assessment	Annual	$64,850.00
Engineering Design & Managemen	Annual	$80,000.00

Funding Source	Amount
General Fund	$144,850.00

Project Title: Ridge Avenue Drainage Improvements

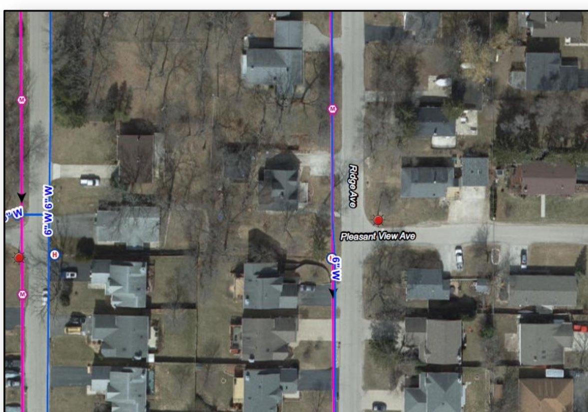
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$209,000.00	**$19,000.00**	**$190,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: Installation of storm sewer between Ridge Avenue and Woodland Road.

Purpose & Need: This area currently does not have storm sewers. All stormwater drainage is conveyed by ditching and culverts. During medium rain events water collects at the corner of Ridge Avenue and Pleasant View Drive and flows west overland between the home to Woodland Road. The existing swale is not sufficient to handle the stormwater runoff potentially impacting the homes.

Impact of Future Operating Budget: The proposed project will assist in preventing flooding in the area requiring Public Works to respond. This will be a public improvement requiring future maintenance of the stormwater infrastructure.



Schedule of Activities	From - To	Amount
Construction	5/24 - 4/25	$190,000.00

Funding Source	Amount
General Fund	$150,000.00
SIRF Grant	$40,000.00

Project Title: Anderson Rd Culvert Replacement

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$70,000.00	**$0.00**	**$70,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project will replace the existing stormwater galvanized culvert pipe under Anderson Rd connecting drainage from Aspen Grove into Fiddle Creek.

Purpose & Need: The existing thirty-four (34) inch pipe is deterioraing at the bottom of the pipe. Water is not draining correctly from one side of the road to the other and undermining is occuring at the bottom. Future settling from the pavement down will result.

Impact of Future Operating Budget: The proposed assessment and repair will minimize the potential for a more disruptive and costly catastophic failure in the future.

Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$70,000.00

Funding Source	Amount
General Fund	$70,000.00

Project Title: Bangs Lake Outfall Project

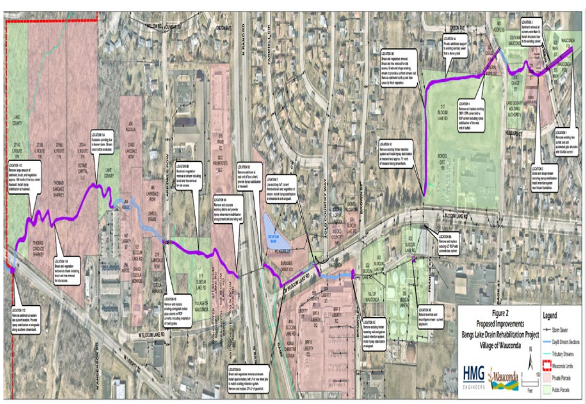
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$3,699,300.00	**$14,300.00**	**$1,265,000.00**	**$2,420,000.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves the rehabilitation of the overflow outfall creek from Bangs Lake to Route 176. The Village applied for a grant for $2.5 million from Lake County Stormwater Management Commission.

Purpose & Need: The Bangs Lake outfall consists of 6,450 linear feet of storm sewer and channel from the outfall structure located at Phil's Beach to the corporate limits to Route 176. The channel traverses through public land, Village right of way, and private property. Over time the various components of the outfall have deteriorated and need regional improvements to ensure proper drainage of Bangs Lake.

Impact of Future Operating Budget: The proposed project will assist with preventing flooding and standing water in the area that may require Public Works to respond. Additionally, the improvements will prevent additional structure and shoreline erosion.



Schedule of Activities	From - To	Amount
Engineering (Design)	5/22 - 12/22	$14,300.00
Engineering (Design)	5/23 - 4/24	$465,000.00
Construction	5/23 - 4/24	$1,000,000.00
Construction	5/24 - 4/25	$2,220,000.00

Funding Source	Amount
General Fund	$3,699,300.00

Project Title: Lakeshore/Grand Blvd STP

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$170,000.00	**$0.00**	**$70,000.00**	**$100,000.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: Design engineering will begin for road surface construction on Lakeshore Blvd (starting from 176) and continuing into Grand Blvd (ending Bonner Rd).

Purpose & Need: Lakeshore/Grand Blvds have been identified as major roadway collectors and arteries within the Village. The Village will be applying for STP (Surface Transportation Program) grant funding for the improvement of these roads. Engineering plans need to be completed in case funding has been awarded or to ensure this project is shovel ready if another grant source materializes.

Impact of Future Operating Budget: None

Schedule of Activities	From - To	Amount
Engineering (Design)	5/23 - 4/24	$70,000.00
Engineering (Design)	5/24 - 4/25	$100,000.00

Funding Source	Amount
General Fund	$170,000.00

Project Title: Pine St Detention Basin (Cleaning)

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$25,000.00	**$0.00**	**$25,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves clearing and cleaning of the Pine St detention basin.

Purpose & Need: The detention basin collects stormwater from the Country Ridge subvision. The site has become overgrown through the years with weeds and trees. The basin will be cleared, burned, sprayed with herbicide, and new vegetation will be planted. The site will then require annual spraying to control new growth.

Impact of Future Operating Budget: An annual maintenance fee and cost will be required to keep the site clean and maintained.

Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$25,000.00

Funding Source	Amount
General Fund	$25,000.00

Project Title: Sidewalk Replacement Program

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$375,000.00	**$0.00**	**$75,000.00**	**$75,000.00**	**$75,000.00**	**$75,000.00**	**$75,000.00**	

Description & Scope: This project involved the repair and/or replacement of Village owned sidewalks and curbs.

Purpose & Need: The Village owns and maintains a large amout of linear footage of sidewalks and curbs through town. From time to time areas deteriorate or shift. This can cause hazardous conditions. Sidewalk work will be coordinated with the annual street improvement program.

Impact of Future Operating Budget: Future maintenance costs might be needed once an inventory and needs have been identified.

Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$75,000.00
Construction	5/24 - 4/25	$75,000.00
Construction	5/25 - 4/26	$75,000.00
Construction	5/26 - 4/27	$75,000.00
Construction	5/27 - 4/28	$75,000.00

Funding Source	Amount
General Fund	$375,000.00

Project Title: Stormwater Master Plan

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$75,000.00	**$0.00**	**$75,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: Through a Stormwater Asset Management Plan stormwater assets will be inventoried and evaluated and an asset plan will be developed. The plan will identify the system assets and provide a capital replacement schedule and cost estimates for those assets.

Purpose & Need: A plan will provide an assessment for more accurate planning and budgeting purposes.

Impact of Future Operating Budget: Future maintenance costs might be needed once an inventory and needs have been identified.

Schedule of Activities	From - To	Amount
Engineering	5/23 - 4/24	$75,000.00

Funding Source	Amount
General Fund	$75,000.00

Project Title: Building Maintenance & Repairs (VH, CAC, PD)

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$820,000.00	**$0.00**	**$120,000.00**	**$175,000.00**	**$175,000.00**	**$175,000.00**	**$175,000.00**	

Description & Scope: Various upgrades or replacements are needed on an acrchitectual, electrical, fire protection, mechanical, and plumbing basis. This work will be completed at the Village Hall, Community Development, and Police Department buildings.

Purpose & Need: These upgrades were identified in the building assessment completed in FY23 by Kluber Architects & Engineers. Aging components within these buildings need to be addressed to maintain functional use and prevent larger or emergency needed repairs.

Impact of Future Operating Budget: Future repairs or replacement components are scheduled out for the next twenty years.

Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$120,000.00
Construction	5/24 - 4/25	$175,000.00
Construction	5/25 - 4/26	$175,000.00
Construction	5/26 - 4/27	$175,000.00
Construction	5/27 - 4/28	$175,000.00

Funding Source	Amount
General Fund	$820,000.00

Project Title: Village Hall Flooring Replacement

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$40,000.00	**$0.00**	**$0.00**	**$40,000.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: Village Hall carpet is dated, stained and worn out in high traffic spots. This project consists of removing the old carpet throughout Village Hall, with the exception of the Board Room, and replacing it with vinyl plank flooring. As part of the project, all of the walls in Village Hall will also be painted.

Purpose & Need: The purpose of this project is to replace worn out and stained carpet throughout Village Hall.

Impact of Future Operating Budget: None

Schedule of Activities	From - To	Amount
Flooring install	5/23 - 5/24	$40,000.00

Funding Source	Amount
General Fund	$40,000.00

Project Title: CAC Electrical-Generator Relocation

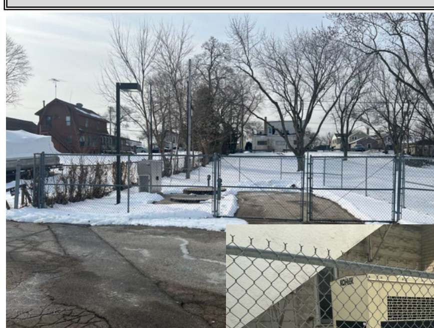
Department: Public Works

Total Project Cost	Total Expended To Date	Budget FY 2023-24	Subsequent Years				Strategic Goal
			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
$77,500.00	**$38,750.00**	**$38,750.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves relocation of the power supply for the back-up generator and the Main St. street lights to their own electrical circuits. This project has been bid out and is anticipated to be completed spring 2023.

Purpose & Need: The CAC previously served as the Police Station. Because of this, the back-up generator for the Police Station also provided back-up power for sanitary lift station # 1. Additionally, the lighting circuits for the Main St. street lights were also connected through the CAC building power. In anticipation of selling, or some other private use for the building, the generator and the street lights will need to be on their own electrical circuits externally from the building's power.

Impact of Future Operating Budget: None.



Schedule of Activities	From - To	Amount
Engineering	5/22 - 4/23	$38,750.00
Construction	5/23 - 4/24	$38,750.00

Funding Source	Amount
General Fund	$77,500.00

Project Title: Development Codes Update

Department: Community Development

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$76,000.00	**$0.00**	**$0.00**	**$12,000.00**	**$32,000.00**	**$32,000.00**	**$0.00**	Economic Development

Description: Update Development Codes and Regulations

Scope: To evaluate and recommend changes and/or amendments to the development codes and regulations that implement the objectives within the Comprehensive Land Use Plan.

Purpose & Need: The Development, Subdivision and Zoning Codes are the implementation tools of the Village to regulate and restrict location and use of public and private infrastructure, buildings and structures and how land gets subdivided within the Village. These codes are developed for the sole purpose of promoting the public health, safety, morals, comfort and general welfare, conserving the values of properties throughout the Village, by lessening or avoiding congestion in the public streets, hazards to persons and damage to property.

Impact of Future Operating Budget: Updated and modern codes have more efficiencies with regard to products related to land development, i.e. stormwater, watermains, etc., that are more durable, therefore, having less future maintenance costs associated with the neighborhood. The Code updates will evaluate the requirements of each code and recommend any necessary amendments.

Schedule of Activities	From - To	Amount
Planning & Examination	5/1/23 - 4/30/26	$76,000.00
Finalization of codes		

Funding Source	Amount
General Fund	$76,000.00

Project Title: 10 Year Comprehensive Development Plan

Department: Community Development

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years				Strategic Goal
			Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Economic Development
$35,000.00	**$0.00**	**$0.00**	**$20,000.00**	**$15,000.00**	**$0.00**	**$0.00**	

Description: 10-year Comprehensive Land Plan Update

Scope: To Update the 2012 Comprehensive Land Use Plan which addressed the core land use planning elements, in addition to the following specific items: a) Examine planning areas within 1-1/2 miles of the present Village boundaries to determine future potential growth; b) Consideration and preservation of the character of the Village, its resources, topography, existing neighborhoods, and environmental characteristics; c) Incorporate 2020 Census data along with review of projected forecasts for population increases and employment opportunities; d) Establish and/or re-establish potential areas of redevelopment and/or development within several Sub-Planning Areas; e) Determine the general basic parameters of mixed-use developments, structural and design elements of redevelopments or new developments, support for existing retail businesses, and Bangs Lake as a focal point; and f) Outline basic parameters for transportation within and throughout the Village areas.

Purpose & Need: The Village of Wauconda adopted an overall Comprehensive Plan update in 1996, 2002 and 2007. In 2011, the Village began a five-year update to reflect changes which have occurred along with amendments the Village deemed appropriate. We will provide an update during the 10th and 11th year of the overall 2022-23 Comprehensive Plan update. The Comprehensive Plan is a non-regulatory document which serves to guide future land use action of the Village. The Plan is intended to be used regularly for day-to-day land use decisions. It is also intended to be flexible and realistic for how land uses may evolve within the Village over the next 5, 10 and 15 years.

Impact of Future Operating Budget: The overall Comprehensive Land Use Plan in its present form was the vision and forecasts from ten years prior. Traffic, housing, retail and other land uses have changed since then and economic development prospects of today are not the same. The "impact of the future operating budget" can be disastrous if new development and/or redevelopment has not been planned for with acceptable locations and sizes of commercial, industrial and mixed use development that balances the municipal tax liability throughout the Village.

Schedule of Activities	From - To	Amount
Planning & Examination	5/1/23 - 4/30/24	$35,000.00
Plan Finalization & Deliverable		

Funding Source	Amount
General Fund	$35,000.00

Project Title: Economic Development - Façade Grant Program

Department: Community Development

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$212,000.00	**$12,000.00**	**$30,000.00**	**$30,000.00**	**$40,000.00**	**$50,000.00**	**$50,000.00**	Economic Development

Description: Facade Improvement Program (FIP) for local businesses and industries within the Village of Wauconda.

Scope: By providing economic assistance to local businesses / property owners via grant funding to facilitate redevelopment / beautification opportunities, we have developed a public / private partnership with the property owner to assist with necessary site and building improvements.

Purpose & Need: The purpose of the Village of Wauconda's "Facade Improvement Program" is to stimulate and incentivize the beautification of the built environment in the commercial corridors of the Village through the use of public / private partnerships.

Impact of Future Operating Budget: With the marketing of the program through word of mouth, newletters and Village website we should be able to increase the overall participation in the improvement program.

Funding Source	Amount
General Fund	$212,000.00

Project Title: Economic Development and Retail Recruitment Consultant

Department: Community Development

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Economic Development
$96,500.00	**$44,000.00**	**$27,500.00**	**$25,000.00**	**$0.00**			

Description & Scope: This project is an agreement with an economic development consultant to analyze the Village's retail corridors, identify development opportunities, market the Village's retail corridors and recruit retailers on behalf of the Village.

Purpose & Need: Sales tax revenue is critical to maintaining the level of service provided by the Village. We currently do not have the staff resources and existing relationships to court potential retailers, whose presence in Wauconda would lead to increases in both sales and property tax revenue. The Village will utilize an experienced retail recruitment firm that will perform an analysis of the Village's land use for highest and best use, analyze consumer data (including mobile phone location data) and recommend strategies to best position the Village for retail development. In addition, the firm maintains relationships with site selectors for retailers such as grocers, big box retailers and chain restaurants, and will pursue retailers on our behalf. We recommend that 60% of the annual cost be budgeted in the General Fund and 40% be budgeted in the TIF Fund.

Impact of Future Operating Budget: The first year of this contract is $44,000. Subsequent years are $27,500 and $25,000, respectively. We would see return on our investment when we see increased sales taxes from new developments.

Schedule of Activities	From - To	Amount
Market Analysis	5/1/22 to 11/30/22	
Highest and Best Use Analysis		
Local Business Engagement		
Retailer/Developer Recruitment	12/01/22 to 4/30/25	

Funding Source	Amount
General Fund	$56,500.00
TIF	$40,000.00

Project Title: IPRF Safety Grant Program

Department: Risk Management

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years				Strategic Goal
			Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	
$80,180.00	**$30,180.00**	**$10,000.00**	**$10,000.00**	**$10,000.00**	**$10,000.00**	**$10,000.00**	

Description & Scope: The IPRF Safety Grant program is designed to provide funds to members for use to promote safety and educational programs along with the purchase of safety and education equipment. This program is made available each year to IPRF members who are in good standing.

Purpose & Need: The Village has utilized these funds in the past to assist with the purchase of a wide range of safety equipment and training programs for Village employees as well as flashing pedestrian crosswalk signs and similar items for critical areas such as school zones. Staff plan to continue to spend these grant funds on similar items going forward.

Impact of Future Operating Budget: Most of the items purchased with these funds would be purchased using operating budgets. As long as this program continues, these funds will reduce the need to use dollars budgeted for operations.

Funding Source	Amount
IPRF Safety Grant	$80,180.00

Project Title: Digital Records Conversion - Laserfiche

Department: Police Department

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	Strategic Goal
$13,000.00	**$0.00**	**$0.00**	**$10,000.00**	**$3,000.00**	**$0.00**	**$0.00**	

Description & Scope: This is a records managment project that will enable to the village to store and retain police records as required by law. These records will include incident reports, traffic citations, state reports such as NIBRS and Use of Force, and employee training.

Purpose & Need: Due to the high volume of records generated by the police department, large amounts of space are needed for storage. Currently, due to a lack of physical storage, older records are stored off site. Using a program with Laserfische will save time and space because these records will now be searchable using the program. Many of these documents are requested through the Illinois FOIA law, and therefore the response must be timely.

Impact of Future Operating Budget: Future costs include the necessary licenses and support needed to access the records and future digital storage needs. Other costs may include replacement of hardware needed to scan the original documents.

Schedule of Activities	From - To	Amount
Project development	5/1/22 - 6/30/22	$13,000.00
Project implementation	7/1/22 - 4/30/25	

Funding Source	Amount
General Fund	$13,000.00

Project Title: Phone System Replacement

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$20,000.00	**$0.00**	**$20,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This will replace the current premised based phone system with a cloud-based system consistent with today's technology. The project includes the purchase of phones through an RFP process and implementation using our current technology consultant.

Purpose & Need: The Village has a premise-based VoIP phone system which is 10 years old. The systems are currently no longer supported from a warranty perspective and if any failures occur, new equipment would need to be purchased to get the systems working again.

Impact of Future Operating Budget:

Schedule of Activities	From - To	Amount
Award of Contract	5/23-7/23	$15,000.00
Implementation	7/23 - 10/23	$5,000.00

Funding Source	Amount
General Fund	$20,000.00

Project Title: Springbrook Cloud Conversion

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$67,000.00	**$0.00**	**$67,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project consists of moving the Village's enterprise finance (utility billing, general ledger, purchasing, accounts payable) software to the cloud, as well as adding the building permits and code enforcement modules.

Purpose & Need: The Village has a premise-based system, which lags behind current technology and will require a server upgrade if not replaced. Going forward, instead of purchasing software and paying for annual maintenance, the Village will pay an annual subscription for the software. This Community Development Department currently uses a spreadsheet system that is inefficient for entering and processing permits, as well as tracking over time.

Impact of Future Operating Budget: $41,000 per year for the subscription. Currently the Village pays $18,500 annually which does not include the community development modules.

Schedule of Activities	From - To	Amount
Implementation	8/23 to 5/24	$67,000.00

Funding Source	Amount
General Fund	$53,600.00
Water & Sewer Fund	$13,400.00

Project Title: Memorial Park Site Improvements

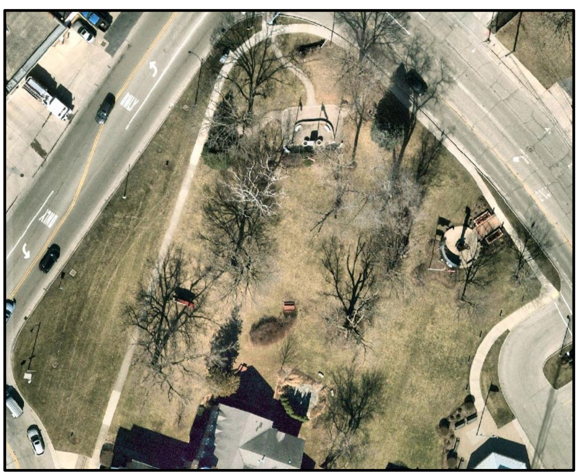
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$40,000.00	**$10,000.00**	**$30,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves various improvements to the site, including sidewalk, brick paver and related landscape replacements and upgrades as well as the addition of a path connecting the two memorials. Cost sharing through the Park District and donations will be sought out by the Village.

Purpose & Need: In order to properly update the site and maintain its prominence in the Village, various upgrades will be needed. Ongoing scheduled maintenance will be performed on the entire site including the memorials to keep the site presentable and in good condition.

Impact of Future Operating Budget: A new project maintenance budget will be included in each fiscal year's proposed General Fund budget.



Schedule of Activities	From - To	Amount
Design	5/22 - 4/23	$10,000.00
Construction	5/23 - 4/24	$30,000.00

Funding Source	Amount
General Fund	$40,000.00

WATER/SEWER CAPITAL PROJECT FUND:

Revenue & Expense Detail

(FY 24 – FY 28)

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
WATER/SEWER CAPITAL PROJECT FUND - REVENUES AND SOURCES							
PW FLEET REPLACEMENT - SOURCES							
20-69-9220	PW FLEET REPLACEMENT-WATER	140,000	140,000	30,000	30,000	35,000	35,000
20-69-9221	PW FLEET REPLACEMENT - WWTP	140,000	140,000	30,000	30,000	35,000	35,000
20-69-9227	PW FLEET REPLACEMENT - COLLECT	140,000	140,000	30,000	30,000	35,000	35,000
TOTAL - PW FLEET REPLACEMENT - SOURCES		**420,000**	**420,000**	**90,000**	**90,000**	**105,000**	**105,000**
FIXED-ASSET REPAIR/REPLACEMENT - SOURCES							
20-17-9220	REPLACE CONTRIB - WATER	125,000	125,000	125,000	125,000	125,000	125,000
20-18-9221	REPLACE CONTRIB - WWTP	26,250	35,000	35,000	35,000	35,000	35,000
20-19-9227	REPLACEMENT CONTRIB - COLLECT	15,000	20,000	20,000	20,000	20,000	20,000
TOTAL - FIXED-ASSET REPAIR/REPLACEMENT - SOURCES		**166,250**	**180,000**	**180,000**	**180,000**	**180,000**	**180,000**
WATER/SEWER CAPITAL PROJECTS - REVENUE AND SOURCES							
20-71-9200	W/S CONTRIB: W/S CAP PROJ	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,500,000
20-71-3810	INTEREST - W/S CAPITAL	-	115	115	115	115	115
TOTAL - WATER/SEWER CAPITAL PROJECTS		**1,600,000**	**1,600,115**	**1,600,115**	**1,600,115**	**1,600,115**	**1,500,115**
TOTAL W/S CAPITAL PROJ. FUND REVENUES AND SOURCES		**2,186,250**	**2,200,115**	**1,870,115**	**1,870,115**	**1,885,115**	**1,785,115**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
WATER/SEWER CAPITAL PROJECT FUND - EXPENSE							
PW FLEET REPLACEMENT							
20-69-8400	**PW FLEET REPLACEMENTS**						
PWF001	Vehicle - Car/SUV #1(ST 33%/ WS 67%)	-	-	-	-	-	-
PWF002	Vehicle - Car/SUV #2(ST 33%/ WS 67%)	-	-	-	-	-	-
PWF033	Vehicle - Pickup w/Crane #2	-	-	-	-	-	-
PWF003	Vehicle - PW Pickup #1	-	55,330	-	-	-	-
PWF004	Vehicle - Water Dig Emergency Vehicle	-	-	225,000	-	-	-
PWF008	Vehicle - PW Pickup #2	-	-	59,883	-	-	-
PWF010	Vehicle - PW Van #2	-	-	-	-	-	-
PWF020	Vehicle - PW Pickup #6	-	-	-	-	-	-
PWF026	Vehicle - PW Pickup #7	-	56,234	-	-	-	-
PWF035	Vehicle - PW Pickup #9	-	-	-	56,587	-	-
PWF021	Vehicle - PW Van #1	-	-	-	-	65,882	-
PWF024	Vehicle - 5 Ton Dump #13	-	-	-	-	-	-
PWF030	Vehicle - Vactor Truck #1	454,392	-	-	-	-	-
TOTAL - PW FLEET REPLACEMENT		**454,392**	**111,564**	**284,883**	**56,587**	**65,882**	**-**
FIXED-ASSET REPAIR/REPLACEMENT							
20-17-8600	**FIXED ASSET-R/R WATER**						
IT0001	IT - Server Hardware Upgrade	910	-	-	-	-	-
IT0007	IT - Workstation Replacements	7,501	-	1,000	3,800	7,000	-
PWF070	Equip - 6" Pump #1 (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF071	Equip - 6" Pump #2 (ST 33%/ WT 33%/ SW 34%)	-	-	5,698	-	-	-
PWF065	Equip - Air Comp (ST 33%/ WT 33%/ SW 34%)	-	-	-	10,211	-	-
PWF051	Equip - Backhoe (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF053	Equip - Front End Loader(ST 33%/WT33%/SW 34%	-	89,112	-	-	-	-
PWF056	Equip - UTV (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF068	Equip - Generator #1 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF067	Equip - Generator #2 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF069	Equip - Generator #3 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF061	Equip - Mini Excavator (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	41,347	-
PWF052	Equip - Roller (ST 33%/ WT 33%/ SW 34%)	-	-	-	16,041	-	-
PWF073	Garage Door (ST 33%/ WT 33%/ WWC 34%)	-	-	-	-	-	-
PWF074	Backflow Prevention Surveying	-	-	14,130	-	15,064	-
PWF075	Large Meter Testing/Repair	15,000	16,050	17,093	17,606	18,222	18,587
PWF077	Water Meter Replacement Program	100,000	160,500	150,000	150,000	150,000	150,000
PWF086	Drive-by Water Meter Reading Equip.	-	-	-	-	-	-
PWF087	Copier - PW (ST 33%/ WT 33%/ WWC 34%)	1,870	-	-	-	-	-
PWF088	Garage Floor Drain Repair (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
PWF089	PW Keyless Entry System (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
SUBTOTAL - FIXED-ASSET R/R - WATER		**125,281**	**265,662**	**187,921**	**197,659**	**231,633**	**168,587**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
20-18-8600	FIXED ASSET-R/R WWTP						
IT0001	IT - Server Hardware Upgrade	428	-	-	-	-	-
IT0008	IT - Workstation Replacements	552	5,640	550	2,000	750	6,000
PWF070	Equip - 6" Pump #1 (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF071	Equip - 6" Pump #2 (ST 33%/ WT 33%/ SW 34%)	-	-	5,698	-	-	-
PWF065	Equip - Air Comp (ST 33%/ WT 33%/ SW 34%)	-	-	-	10,211	-	-
PWF051	Equip - Backhoe (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF053	Equip - Front End Loader(ST 33%/WT33%/SW 34%)		89,112				
PWF056	Equip - UTV (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	-	-
PWF068	Equip - Generator #1 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF067	Equip - Generator #2 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF069	Equip - Generator #3 (WT 50%/ SW 50%)	-	-	-	-	-	-
PWF061	Equip - Mini Excavator (ST 33%/ WT 33%/ SW 34%)	-	-	-	-	41,347	-
PWF052	Equip - Roller (ST 33%/ WT 33%/ SW 34%)	-	-	-	16,041	-	-
PWF078	Crack Filling (Interior Road)	5,000	-	-	-	-	-
PWF079	Dehumidifiers (5)	-	-	-	-	24,296	-
PWF087	Copier - PW (ST 33%/ WT 33%/ WWC 34%)	1,870	-	-	-	-	-
PWF088	Garage Floor Drain Repair (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
PWF089	PW Keyless Entry System (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
SUBTOTAL - FIXED-ASSET R/R - WWTP		**7,850**	**94,752**	**6,248**	**28,253**	**66,393**	**6,000**
20-19-8600	FIXED ASSET-R/R WW COLLECTIONS						
IT0001	IT - Server Hardware Upgrade	321	-	-	-	-	-
IT0003	IT - Workstation Replacements	552	-	-	-	-	-
PWF073	Garage Door (ST 33%/ WT 33%/ WWC 34%)	-	-	-	-	-	-
PWF080	Sealcoating Lift Station Driveways	-	10,700	-	11,737	-	12,391
PWF081	Manhole/Wet Well Repair/Restore	-	10,700	11,396	11,737	12,148	12,391
PWF088	Garage Floor Drain Repair (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
PWF089	PW Keyless Entry System (ST 33%/ WT 33%/ WW 34%)	-	-	-	-	-	-
SUBTOTAL - FIXED-ASSET R/R - WW COLLECTIONS		**873**	**21,400**	**11,396**	**23,475**	**12,148**	**24,782**
TOTAL - FIXED-ASSET REPAIR/REPLACEMENT		**134,004**	**381,814**	**205,565**	**249,386**	**310,175**	**199,369**

VILLAGE OF WAUCONDA
FIVE-YEAR CAPITAL IMPROVEMENT PLAN (CIP)
FY2024 – FY2028

		PROJECTED ACTUAL 2022/2023	PROPOSED BUDGET 2023/2024	FORECAST 2024/2025	FORECAST 2025/2026	FORECAST 2026/2027	FORECAST 2027/2028
WATER/SEWER CAPITAL PROJECTS							
20-71-8500	**WATER/SEWER CAPITAL PROJECTS**						
Reccuring Projects:							
REC-003	Sanitary Sewer Lining & Spot Repairs	-	670,000	600,000	600,000	495,000	495,000
REC-004	Inflow/Infiltration Source Detection	-	275,000	275,000	275,000	275,000	275,000
REC-006	SCADA Upgrades	40,290	240,000	178,700	168,900	74,200	-
REC-007	Lead Service Line Replacement	3,935	70,000	-	-	150,000	150,000
SUBTOTAL - Reccuring Projects		**44,225**	**1,255,000**	**1,053,700**	**1,043,900**	**994,200**	**920,000**
FY 19/20 Projects:							
FY20-001	Aerobic Digester 1&2 Rehab	1,050,000	250,000	-	-	-	-
FY20-003	Lift Station Electrical Improv. (2A &7)	19,000	132,688	-	15,744	293,888	-
SUBTOTAL - FY 19/20 Projects		**1,069,000**	**382,688**	**-**	**15,744**	**293,888**	**-**
FY 20/21 Projects:							
000032	WWTP Outfall Sewer Line Replacement	49,000	53,000	-	-	-	-
FY21-004	Lift Station No. 10 Improvements	5,000	-	-	-	26,712	498,624
FY21-005	Lift Station No. 12 Improvements	20,000	338,875	-	-	-	-
FY21-009	WWTP Roof Replace and Rehab.	17,000	-	-	-	-	-
SUBTOTAL - FY 20/21 Projects		**91,000**	**391,875**	**-**	**-**	**26,712**	**498,624**
FY 21/22 Projects:							
000088	Lift Station 11 Improvements	4,318	477,300	-	-	-	-
FY22-008	IL Route 176 Sanitary Sewer Replacement	-	-	100,000	-	-	-
FY22-009	WWTP IEPA Facility Planning Report	21,000	30,000	-	-	-	-
FY22-011	Lift Station 5 Improvements	11,025	41,220	755,700	-	-	-
SUBTOTAL - FY 21/22 Projects		**36,343**	**548,520**	**855,700**	**-**	**-**	**-**
FY 22/23 Projects:							
000004	WWTP Headworks Screen		15,000	463,000	-	-	-
FY23-002	Wastewater Asset Management Plan Upd.	30,000	-	-	-	-	-
FY23-004	Water System Asset Study	65,000	65,000	-	-	-	-
FY23-008	Inflow/Infiltration Source Detection	346,850	-	-	-	-	-
FY23-012	Lift Station No. 14		2,328	43,456	-	-	-
SUBTOTAL - FY 22/23 Projects		**441,850**	**82,328**	**506,456**	**-**	**-**	**-**
FY 23/24 Projects:							
000001	Influent Pump Replacement		-	6,000	114,000	-	-
000016	Aeration Tank DO Probes		-	170,933	-	-	-
FY24-001	Lift Station No. 4 Improvements		-	41,220	769,440	-	-
FY24-002	Pine St. Detention Basin Cleaning		-	-	-	-	-
FY24-003	Lift Station No. 13		2,556	47,712	-	-	-
FY24-007	2023 Watermain Replacement		2,024,000	-	-	-	-
FY24-008	Facility Plan - Lead Service Lines (Req. for Grant)		35,000	-	-	-	-
FY24-010	WWTP Air Line Replacement		810,000	-	-	-	-
FY24-013	Facility Assessment and Maintenance Plan (GF 10/WS 90)		50,490	-	-	-	-
FY24-015	Fiddle Creek STOCIP Grant Cost Share		40,000	-	-	-	-
FY24-017	WWTP Facilty Activated Sludge Plant Upgrade (Construction)		-	-	6,000,000	6,000,000	6,000,000
FY24-018	WWTP Facilty Activated Sludge Plant Upgrade (Engineering)		500,000	500,000	-	-	-
FY24-019	Drying Cover Bed		150,000	-	-	-	-
FY24-020	Lake Michigan De-Commissioning of Wells		160,000	-	-	-	-
SUBTOTAL - FY 23/24 Projects			**3,772,046**	**765,865**	**6,883,440**	**6,000,000**	**6,000,000**
FY 24/25 Projects:							
FY25-001	Lift Station No. 17			3,468	64,736	-	-
SUBTOTAL - FY 24/25 Projects				**3,468**	**64,736**	**-**	**-**
FY 25/26 Projects:							
FY26-001	Lift Station No.6				17,934	334,768	-
FY26-003	Lift Station No.15				18,936	353,472	-
SUBTOTAL - FY 25/26 Projects					**17,934**	**334,768**	**-**
FY 26/27 Projects:							
FY27-003	Water Tower Painting					400,000	-
FY27-005	Lift Station 8					27,954	521,808
SUBTOTAL - FY 26/27 Projects						**427,954**	**521,808**
FY 27/28 Projects:							
FY28-001	Capital Projects - TBD						300,000
SUBTOTAL - FY 27/28 Projects							**300,000**
TOTAL - WATER/SEWER CAPITAL PROJECTS		**1,682,418**	**6,432,457**	**3,185,189**	**8,025,754**	**8,077,522**	**7,940,432**
GRAND TOTAL W/S CAPITAL PROJECT FUND EXPENSES		**2,270,814**	**6,925,835**	**3,675,637**	**8,331,727**	**8,453,579**	**8,139,801**

WATER/SEWER CAPITAL PROJECT FUND:

Project Descriptions

Project Title: Lift Station No. 11 Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget FY 2023-24	Subsequent Years				Strategic Goal
			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
$519,300.00	**$42,000.00**	**$477,300.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves lining the original steel wet well and installing a third pump.

Purpose & Need: Lift Station No. 11 is located at 1150 Dato Lane. Its service area includes the flows from Lift Station No. 8 (which includes all of the Liberty Lakes) plus gravity sewers from the commercial/industrial area bounded by Route 12 on the west and extending to the WTG landfill on the east. Lift Stations No. 9 and 12 are also located within this area. Lift Station No. 11 was completely replaced in 2004. A new generator/control building was constructed in 2012.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs of failures.

Schedule of Activities	From - To	Amount
Engineering Design	5/21 - 6/21	$40,000.00
Construction	5/23 - 4/24	$440,000.00
Construction Engineering	5/23 - 4/24	$39,300.00

Funding Source	Amount
Water & Sewer Fund	$519,300.00

Project Title: Lift Station No. 12 Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget FY 2023-24	Subsequent Years				Strategic Goal
			FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
$361,875.00	**$23,000.00**	**$338,875.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves replacing the pump control panel, SCADA integration, and the two pumps.

Purpose & Need: Lift Station No. 12 is located at 1265 Karl Court and serves the northeastern portion of the Village's commercial/industrial zone. This station is a duplex submersible station with a concrete wetwell and dry pit. This station was constructed in 1989. One of the pumps was replaced in 2014. The electrical equipment was replaced in 2011, however, an old pump control panel was reused and it has developed a fault whereby a low water level triggers a seal fail alarm. There is also a minor drainage problem at the rear of the building and no insulation in the roof of the building. Otherwise the station is in good condition.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs of failures.

Schedule of Activities	From - To	Amount
Engineering Design	5/21 - 7/21	$23,000.00
Construction	5/23 - 4/24	$304,450.00
Construction Engineering	5/23 - 4/24	$34,425.00

Funding Source	Amount
Water & Sewer Fund	$361,875.00

Project Title: Sanitary Sewer Lining & Spot Repairs

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$2,790,000.00	**$0.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$495,000.00**	**$495,000.00**	

Description & Scope: Once deficiencies are identified in the sewer main through the televising process, sanitary sewer lining is a cost effective way to address the issues. Cured-in-place pipe (CIPP) lining is a trenchless rehabilitation process used to repair existing pipelines using a resin (styrene) saturated felt tube. This project involves lining the sanitary sewer main that has been identified as needing repair. Additional spot repairs might include pipe or structure replacement.

Purpose & Need: CIPP Lining has been in use in the United States for the last 35 years. CIPP lining is one of several pipe rehabilitation methods referred to as Trenchless Technologies. It is a preferred method to rehabilitating cracked, broken and failed sanitary sewer pipes. Lining is less expensive and more efficient than traditional open cut replacement methods, normally installed with little or no surface disruption.

Impact of Future Operating Budget: CIPP lining contains a structural element to the product. Repairing sewer mains proactively before they collapse or fail will ultimately save the Village expensive repairs by having excavate to replace the pipe. The annual cost for sewer lining and spot repairs is consistent with the recent updated draft wastewater asset management plan.

Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$600,000.00
Construction	5/24 - 4/25	$600,000.00
Construction	5/25 - 4/26	$600,000.00
Construction	5/26 - 4/27	$495,000.00
Construction	5/27 - 4/28	$495,000.00

Funding Source	Amount
Water & Sewer Fund	$2,790,000.00

Project Title: Lake Michigan Water De-Commissioning of Wells

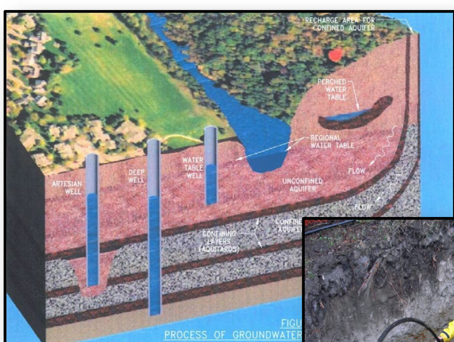
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years				Strategic Goal
			Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	
$160,000.00	**$0.00**	**$0.00**	**$160,000.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: In October of 2019, the Village of Wauconda completed the conversion of its existing well water supply to a Lake Michigan water supply. As part of the conversion, water is received at one delivery point as opposed to eight individual well house facilities. With the conversion to Lake Michigan Water, the Village will look to complete the decommissioning of a number of its existing well house facilities only keeping four wells in-service for emergency back up.

Purpose & Need: The Village no longer needs all of its eight wells now that Lake Michigan Water is on line. This project will decommission and dispose of old water processing equipment that is no longer in use within the buildings.

Impact of Future Operating Budget: The decommissioning of the remaining well house facilities will allow the Village to re-purpose the buildings into functional space.



Schedule of Activities	From - To	Amount
Engineering	5/22 - 4/23	$7,000.00
Decomissioning	5/24 - 4/25	$103,000.00
Hazardous Waste Disposal	5/24 - 4/25	$50,000.00

Funding Source	Amount
Water & Sewer Fund	$160,000.00

Project Title: CIP Lift Stations - Oakdale LS No. 5 Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$796,920.00	**$0.00**	**$41,220.00**	**$755,700.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves a complete rebuild of the station. The station will be converted to a submersible three pump sanitary pumping station. HMG will begin design engineering for FY24 with anticipated construction in FY25.

Purpose & Need: Lift Station No. 5 is located on Oakdale Ave. and services the Lakeview Villa, Maimans 2, Whispering Pines and Waterstone subdivisions. The concrete structure which comprises the wet well is severely spauling and needs to be rehabilitated.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs of failures.

Schedule of Activities	From - To	Amount
Engineering Design	5/23 - 4/24	$41,220.00
Construction	5/24 - 4/25	$687,000.00
Construction Engineering	5/24 - 4/25	$68,700.00

Funding Source	Amount
Water & Sewer Fund	$796,920.00

Project Title: Water System Asset Management Plan

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2022-23	Subsequent Years				Strategic Goal
			Year 2 2023-24	Year 3 2024-25	Year 4 2025-26	Year 5 2026-27	
$65,000.00	**$0.00**	**$65,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: Through a Water System Asset Management Plan water assets will be inventoried and evaluated and an Asset Management Plan will be developed. The plan will identify the system assets and provide a capital replacement schedule and cost estimates for those assets.

Purpose & Need: A current plan will provide an assessment for more accurate planning and budgeting purposes.

Impact of Future Operating Budget: None.

Schedule of Activities	From - To	Amount
Engineering	5/22 - 12/23	$65,000.00

Funding Source	Amount
Sewer & Water Fund	$65,000.00

Project Title: WWTP Aerobic Digester 1&2 Rehabilitation

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$1,205,000	**$679,536**	**$250,000**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves the installation of new stainless steel coarse bubble diffusers, blowers, air piping, platforms and lights in the existing digesters.

Purpose & Need: Sludge treatment and stabilization is accomplished by aerobic digestion. Digesters 1 and 2 are circular units and were constructed as part of the original treatment plant. Air to Digesters 1 & 2 is provided by two dedicated centrifugal blowers. The equipment in the digesters are nearing the end of their design life and are in need of rehabilitation.

Impact of Future Operating Budget: Having reliable digester equipment at the WWTP will contribute to the efficiencies of the plant providing quality service and minimizing future after hours repairs of failures.

Schedule of Activities	From - To	Amount
Engineering Design	5/21 - 4/22	$155,000.00
Construction	5/22 - 4/24	$955,000.00
Construction Engineering	5/22 - 4/24	$95,000.00

Funding Source	Amount
Water & Sewer Fund	$1,205,000.00

Project Title: WWTP Inflow - Infiltration Source Detection

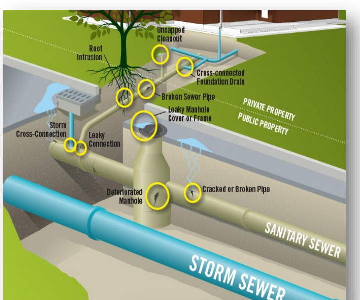
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$1,711,452.00	**$336,452.00**	**$275,000.00**	**$275,000.00**	**$275,000.00**	**$275,000.00**	**$275,000.00**	

Description & Scope: Data gathered from the flow monitoring project conducted in 2019 identified numerous areas in the Village that experienced high inflow and infiltration into the sanitary sewer collection system. This program will identify the specific sources of the I/I and provide corrective action measures. Methods to determine conditions include, CCTV, inspections, smoke and dye testing.

Purpose & Need: Sewers and treatment facilities are designed around expected average and maximum flows. Excess rain and groundwater entering the sewer system through inflow and infiltration robs the system of its valuable capacity, puts a burden on operation and maintenance, and reduces the life expectancy of the treatment facility. Sewer surcharging, back-ups and overflows all require emergency response and contribute to disruption of operations.

Impact of Future Operating Budget: Having a reliable and efficient sewer collection system is a vital component of providing quality service and minimizing sewer surcharging, basement back-ups (BBs) and sanitary sewer overflows (SSOs).



Schedule of Activities	From - To	Amount
Engineering/Construction	5/22 - 9/22	$336,452.00
Engineering/Construction	5/23 - 4/24	$275,000.00
Engineering/Construction	5/25 - 4/25	$275,000.00
Engineering/Construction	5/25 - 4/26	$275,000.00
Engineering/Construction	5/25 - 4/25	$275,000.00
Engineering/Construction	5/25 - 4/26	$275,000.00

Funding Source	Amount
Water & Sewer Fund	$1,711,452.00

Project Title: Facility Maintenance Plan

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$56,100.00	**$0.00**	**$56,100.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project involves the creation of a Facility Maintenance Plan for all Public Works facilities.

Purpose & Need: Preventive maintenance is key in maintaining building integrity, occupancy and safety. The development of a facility maintenance plan will provide staff with an inventory of major building components as well as a organized plan for addressing equipment replacement and building maintenance issues before emergencies arise.

Impact of Future Operating Budget: Modifications to the Operating and Capital Budgets will be programmed annually as the plan is refined.

Schedule of Activities	From - To	Amount
Engineering	5/23 - 4/24	$56,100.00

Funding Source	Amount
General Fund	$5,610.00
Water/Sewer Fund	$50,490.00

Project Title: WWTP Facility - Activated Sludge Plant Improvements (Design Engineering)

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$1,000,000.00	**$0.00**	**$500,000.00**	**$500,000.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: HMG will begin the engineering for the wastewater treatment plant improvements outlined in the WWTP Facilities Plan.

Purpose & Need: The biotower treatment system has passed its normal life expectancy. The treatment system will not be able to meet future phosphorus or nitrogen removal requirements. The facilities plan details the demolition of the biotower system and replacing that with additions to the activated sludge treatment process.

Impact of Future Operating Budget: Having reliable infrastructure equipment at the WWTP will contribute to the efficiencies of the plant providing quality service and minimizing future after hours repairs or failures.

Schedule of Activities	From - To	Amount
Engineering (Design)	5/23 - 4/24	$500,000.00
Engineering (Design)	5/24 - 4/25	$500,000.00

Funding Source	Amount
Water & Sewer Fund	$1,000,000.00

Project Title: CIP Lift Stations - Electrical Improvements L.S. 2A & 7

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$462,320.00	**$20,000.00**	**$132,688.00**	**$0.00**	**$0.00**	**$15,744.00**	**$293,888.00**	

Description & Scope: This project involves replacing all of the power distribution equipment for Lift Station 2A. This project involves the addition of a permanent standby generator to supply backup power for lift station 7 during power failures. Piping, valves, and pumps will be replaced in future years FY 27 & FY28.

Purpose & Need: Lift Station No. 2A is located at 432 Oakwood Street and serves the Larkdale Subdivision. This station was constructed in 2010 and replaced old Lift Station No. 2. The only component of the station that was not replaced in 2010 is the power distribution equipment, which dates back to 1984. Lift Station No. 7 is located at 152 North Avenue and serves a small residential area on the west shore of Bangs Lake south of Cook Park. The exact age of the station is unknown, but the pumps were replaced in 2003 and the pump control panel was replaced in the early 1990s. The rest of the electrical equipment is the oldest of all the lift stations and is nearing the end of its service life. The station experiences frequent power outages, but only has a connection for a portable generator. The overall station condition is fair to good.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs, failures and service interruptions.

Schedule of Activities	From - To	Amount
Engineering Design	5/21 - 6/22	$20,000.00
Construction	5/23 - 4/24	$122,688.00
Construction Engineering	5/23 - 4/24	$10,000.00
Engineering Design	5/26 - 4/27	$15,744.00
Construction	5/27 - 4/28	$293,888.00

Funding Source	Amount
Water & Sewer Fund	$462,320.00

Project Title: Facilities Plan - Lead Service Line Replacement

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$70,000.00	**$0.00**	**$70,000.00**	**$0.00**	**$0.00**	**$150,000.00**	**$150,000.00**	

Description & Scope: HMG will work with Village staff for the preparation of an Illinois Environmental Protection Agency (IEPA) Facility Plan to address the removal of lead lines from the water distribution system. There are some homes that will need lines replaced in FY24 as part of the water main replacement project.

Purpose & Need: The Village must compile an inventory of all service type materials by April 2024. Inventories shall be updated annually and a replacement schedule needs to be implemented starting April 2027. The IEPA has a loan program which can be used to provide low interest loans for funding these improvements.

Impact of Future Operating Budget: Lead lines need to be replaced by certain volumes depending on how many total lead line services are identified during the inventory.

Schedule of Activities	From - To	Amount
Engineering & Construction	5/23 - 4/24	$70,000.00

Funding Source	Amount
Water & Sewer Fund	$70,000.00

Project Title: CIP Lift Stations - North Main St LS No. 13 Improvements

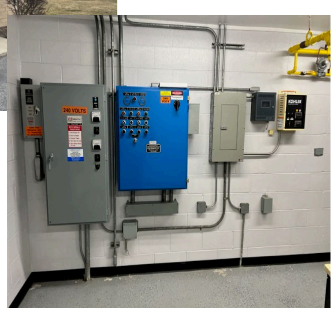
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	Strategic Goal
$50,268.00	**$0.00**	**$2,556.00**	**$47,712.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project consists of upgrading and replacing the electrical pump controls. Engineering will start in FY24 with construction anticipated for FY25.

Purpose & Need: Lift Station No. 13 is located at 466 N. Main Street at the southwest corner of Cook Park. It serves a residentail area include Highland Terrace, Library Hill, and a unicorporated area east of Cook Park. This station is a duplex submersible station with concrete wet well and valve pit. This station was origianlly constructed in 1993 and modified in 2010. This work was recently identified in the updated wastewater asset managment plan.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs, failures or service interruptions.



Schedule of Activities	From - To	Amount
Design Engineering	5/23 - 4/24	$2,556.00
Construction	5/24 - 4/25	$47,712.00

Funding Source	Amount
Water & Sewer Fund	$50,268.00

Project Title: CIP Lift Stations - Wethington LS No. 14 Improvements

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$45,784.00	**$0.00**	**$2,328.00**	**$43,456.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project consists of upgrading and replacing the electrical pump controls. Engineering will start in FY24 with construction anticipated in FY25.

Purpose & Need: Lift Station No. 14 is located at 324 Wethington and serves a small residential area in the southeast corner of the Village. It was constructed in 1996 and consists of a duplex submersible station with a concrete wet well and valve vault. The station is in good condition and the pumps were replaced in FY23. The pump controls and electrical components are original and are due for replacement. This work was identified in the recently updated wastewater asset management plan.

Impact of Future Operating Budget: Having a reliable lift station is a vital component of providing quality service and minimizing future after hours repairs, failures or service interruptions.

Schedule of Activities	From - To	Amount
Design Engineering	5/23 - 4/24	$2,328.00
Construction	5/24 - 4/25	$43,456.00

Funding Source	Amount
Water & Sewer Fund	$45,784.00

Project Title: SCADA Upgrades

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$702,090.00	**$40,290.00**	**$240,000.00**	**$178,700.00**	**$168,900.00**	**$74,200.00**	**$0.00**	

Description & Scope: The existing SCADA (Supervisory Control and Data Acquisition) system uses various models of industry standard Allen-Bradley PLC and OIT control hardware. The SCADA server/software infrastructure consists of a redundant virtual environment with three virtual servers, and uses Wonderware SCADA software. The SCADA software consists of a single application that includes separate graphical screens for water, the WWTP and lift stations. The majority of the lift stations use the obsolete DataRadio Integra T96SR radios with an FCC-licensed UHF radio frequency for communication to a master polling PLC at Public Works. The water facilities, as well as five lift stations, use a Verizon private cellular network for communication to a master polling PLC at Public Works.

Purpose & Need: The Village's existing SCADA system is utilized to operate the water system, wastewater collection lift stations and the Waste Water Treatment Plant (WWTP). Much of the components are obsolete and require replacement/upgrades.

Impact of Future Operating Budget: Having a reliable computer control systems for the water system, lift stations and WWTP is vital to providing quality service and minimizing future system failures and service interruptions.

Schedule of Activities	From - To	Amount
Engineering	10/21 - 4/23	$40,290.00
Engineering	5/23 - 4/24	$240,000.00
Engineering	5/24 - 4/25	$178,700.00
Engineering	5/25 - 4/26	$168,900.00
Engineering	5/26 - 4/27	$74,200.00

Funding Source	Amount
Water & Sewer Fund	$702,090.00

Project Title: Water Main Replacement

Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$2,124,000.00	**$100,000.00**	**$2,024,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project consists of replacing four (4) inch water main in the Hubbard Woods subdivsion, downtown area (Osage, Church, Bangs) roads, and Kent Ave.

Purpose & Need: The existing mains are undersized compared to current industry standards and are seventy (70) years in age. New and larger sized mains will provide better fire suppression needs and will aid in reducing current or future water loss.

Impact of Future Operating Budget: Having reliable water distribution infrastructure contributes to providing quality service and minimizes future after hours repairs or failures.

Schedule of Activities	From - To	Amount
Engineering (Design)	5/22 - 4/23	$100,000.00
Construction	5/23 - 4/24	$1,974,000.00
Engineering (Construction)	5/23-4/24	$50,000.00

Funding Source	Amount
Water & Sewer Fund	$2,124,000.00

Project Title: WWTP Airline Replacment

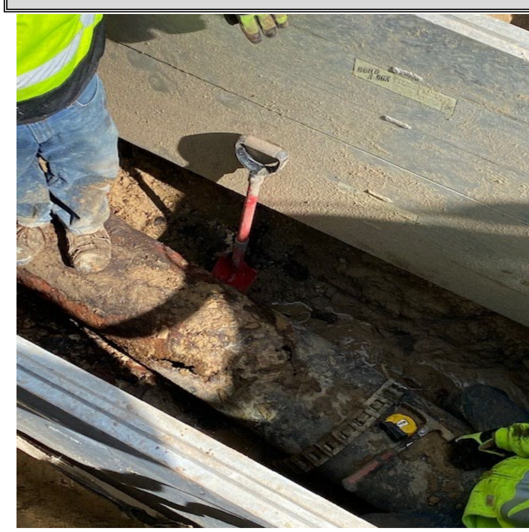
Department: Public Works

Total Project Cost	Total Expended To Date	Budget Year 1 2023-24	Subsequent Years				Strategic Goal
			Year 2 2024-25	Year 3 2025-26	Year 4 2026-27	Year 5 2027-28	
$810,000.00	**$0.00**	**$810,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	

Description & Scope: This project will repair/replace the airline for the activated sludge treatment process at the wastewater treatment facility.

Purpose & Need: The existing fourteen inch (14) airline has deteriorated in several spots and has a significant amount of leaks. This is affecting the treatment operation as more blowers are needed to supply sufficient air for the treatment process. Air is the main component needed in activated sludge wastewater treatment.

Impact of Future Operating Budget: Having reliable infrastructure equipment at the WWTP will contribute to the efficiencies of the plant providing quality service and minimizing future after hours repairs or failures.



Schedule of Activities	From - To	Amount
Construction	5/23 - 4/24	$810,000.00

Funding Source	Amount
Water & Sewer Fund	$810,000.00