

**VILLAGE OF LIBERTYVILLE
BOARD OF TRUSTEES**

Committee of the Whole

**January 12, 2021
7:00 p.m.**

AGENDA

Meeting Conducted Virtually Due to Governor's Executive Orders #2020-10, 18, and 32

Pursuant to the Open Meetings Act, as amended by Public Act 100-0640, the Mayor of the Village of Libertyville, as the head of the public body, has made a determination that an in-person meeting is not practical or prudent because of a disaster.

Please join this meeting from your computer, tablet or smartphone:
<https://global.gotomeeting.com/join/325601397>

Members of the public can also dial in using a phone:

United States: +1 (571) 317-3122

Access Code: 325-601-397

1. Call to Order
2. Proposed Capital Projects for FY 2021-2022
3. Other
4. Adjourn

MEMORANDUM

TO: MAYOR TERRY WEPPLER
VILLAGE BOARD OF TRUSTEES
VILLAGE CLERK

FROM: NICHOLAS MOSTARDO, DIRECTOR OF FINANCE

SUBJECT: PROPOSED CAPITAL PROJECTS FOR FY 2021-2022

DATE: 1/12/2021

CC: KELLY AMIDEI, VILLAGE ADMINISTRATOR

Background

At the Committee of the Whole meeting, staff will be discussing a proposed list of capital projects to be considered for funding as part of the FY 2021-2022 budget. As capital projects are amongst the highest profile initiatives in the community, the Village Board should be apprised of staff recommendations for project funding as early in the budget cycle as practical.

The starting point for discussions pertaining to FY 2021-2022 capital projects to be funded was the Capital Improvement Plan (CIP) document adopted by the Village Board in August 2019. A significant number of the projects being recommended for funding next fiscal year are derived from the CIP, with adjustments made where necessary due to emergent need or the COVID-19 pandemic.

Attached to this memorandum is a listing of the proposed FY 2021-2022 capital projects along with each project's individual detail sheet. During the Committee of the Whole, staff will review each fund and provide the Village Board an opportunity to ask questions about the proposed projects.

Recommendation

1. Provide direction to staff to prepare a FY 2021-2022 budget that incorporates the capital projects presented for consideration.

Attachments

1. FY 2021-2022 Proposed Capital Projects List
2. FY 2021-2022 Capital Projects Detail
3. PowerPoint Presentation



Village of Libertyville List of Capital Projects Fiscal Year 2021-2022

Proposed 1.12.2021

Fund	Project Number	Project Name	Project Type	Cost
Commuter Parking Fund				
	PW-INF-001	Commuter Parking Maintenance	Annual Program	\$25,000
Fund Total				\$25,000
Hotel/Motel Tax Fund				
	PW-FAC-005	Adler Center - Paint & Plaster Repairs	New Project	\$29,500
	PW-FAC-006	Adler Center - Walls and Stucco	New Project	\$33,000
	PW-FAC-007	Adler Center - Wood Window Frames	New Project	\$47,642
Fund Total				\$110,142
Motor Fuel Tax Fund				
	PW-ST-006	Road Program - MFT Portion	Annual Program	\$250,000
	PW-ST-007	Rockland Road Reconstruction	Continuing Project	\$1,000,000
	PW-ST-008	Rockland Road Bridge Replacement	Continuing Project	\$130,000
	PW-ST-010	Road Program - Rebuild Illinois Portion	Annual Program	\$446,279
Fund Total				\$1,826,279
Park Improvement Fund				
	ADM-PMP-001	Charles Brown Site Improvements	Continuing Project	\$153,000
	ADM-PMP-002	Nicholas-Dowden Site Improvements	New Project	\$25,000
	ADM-PMP-003	Greentree Site Improvements	New Project	\$239,750
	PW-PARKS-001	Pool MEP Audit - Riverside & Adler	New Project	\$50,000
	PW-PARKS-002	Butler Lake - Commuter Lot Resurfacing	Continuing Project	\$100,000
	PW-PARKS-003	Crawford House Renovation	New Project	\$75,000
	PW-PARKS-006	Charles Brown Parking Lot Resurfacing	New Project	\$30,000
	PW-PARKS-008	Lightning Predictor Replacements	New Project	\$23,000
	PW-PARKS-011	Shoreline Plant Maintenance	Annual Program	\$25,000
	PW-PARKS-012	Pond & Lake Management	Annual Program	\$20,000
Fund Total				\$740,750
Project Fund				
	CD-SC-001	Downtown Directories	New Project	\$37,500
	CD-SC-002	Peterson Road Streetscaping	New Project	\$60,500
	CD-SC-003	Wayfinding Signs & Plans	New Project	\$40,000
	CD-SC-005	Corridor Studies - Milwaukee/Park	Continuing Project	\$75,000
	PW-SDW-001	Downtown Crosswalk Repairs	Annual Program	\$35,000
	PW-SDW-002	Sidewalk Replacement	Annual Program	\$125,000
	PW-ST-001	Crack Sealing (by Contract)	Annual Program	\$35,000
	PW-ST-002	Pavement Patching	Annual Program	\$150,000
	PW-ST-003	Road Program - Project Fund Portion	Annual Program	\$500,000
	PW-ST-004	Thermoplastic Pavement Marking	Annual Program	\$40,000
	PW-ST-005	Streetlight Replacements	Annual Program	\$200,000
Fund Total				\$1,298,000
Public Building Improvement Fund				
	ADM-FAC-001	Life Safety System - Village Hall	New Project	\$27,381
	FD-FAC-001	Fire Station HVAC Replacement Program	Annual Program	\$9,500
	FD-FAC-002	Gear Rack Replacement Program	Annual Program	\$25,000
	FD-FAC-004	Village Emergency Siren Replacement	New Project	\$36,000
	FD-FAC-005	Roof Repair/Maintenance - Fire Station 1	New Project	\$25,000
	PW-FAC-003	600 North Ave - Restroom/Kitchen Renovation	New Project	\$75,000
	PW-FAC-016	Schertz - Generator Replacement	Continuing Project	\$10,000
	PW-FAC-020	544 North Ave - Garage Exhaust System	New Project	\$40,115
	PW-FAC-021	544 North Ave - Life Safety System	New Project	\$37,500
	PW-FAC-024	544 North Ave - Roof Replacement	New Project	\$118,770
	PW-FAC-025	544 North Ave - Wall/Beam Repair	New Project	\$29,575
Fund Total				\$433,841



Village of Libertyville List of Capital Projects Fiscal Year 2021-2022

Proposed 1.12.2021

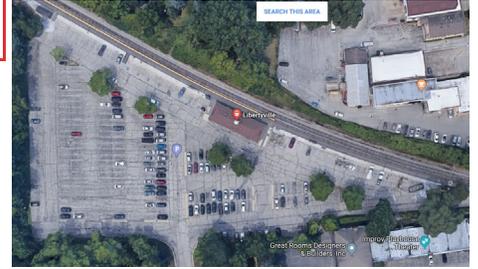
Fund	Project Number	Project Name	Project Type	Cost
Sports Complex Fund				
		No Projects		\$0
Fund Total				\$0
Stormwater Sewer Fund				
	PW-SW-001(a)	Rockland Road Stormwater Improvements (Const.)	New Project	\$5,278,260
	PW-SW-001(b)	Burdick & Ames Stormwater Improvements (Eng.)	New Project	\$668,325
	PW-SW-002	Storm Sewer Improvements - Miscellaneous	Annual Program	\$50,000
	PW-SW-003	Cleaning and Televising of Storm Sewers	Annual Program	\$100,000
	PW-SW-004	Storm Sewer Structure Cleaning	Annual Program	\$75,000
	PW-SW-005	Storm Sewer Point Repairs	Annual Program	\$100,000
	PW-SW-006	Charles Brown Reservoir Annual Maintenance	Annual Program	\$25,000
Fund Total				\$6,296,585
Technology Equipment and Replacement Service Fund				
	ADM-IT-003	Annual Hardware Replacement	Annual Program	\$66,500
	ADM-IT-007	Parking Deck Cameras - Lake Street	New Project	\$50,000
	ADM-IT-008	Phone System Replacement	Annual Program	\$20,000
	PD-IT-002	Squad Car - Video Camera System	New Project	\$152,100
Fund Total				\$288,600
TIF Fund				
	CD-TIF-001	East Parking Lot at School St.	Continuing Project	\$215,000
	CD-TIF-002	Church St. Parking Deck Monument Sign	Continuing Project	\$65,000
	CD-TIF-003	Downtown Parking Lot Improvements	Continuing Project	\$300,000
Fund Total				\$580,000
Utility Fund				
	PW-SS-001	High School Lift Station - Eng. & Construction	New Project	\$75,000
	PW-SS-005	Annual Sewer Televising Inspection	Annual Program	\$100,000
	PW-SS-006	Lining and Point Repairs Construction	Annual Program	\$300,000
	PW-SS-007	Manhole Repairs - Various Locations	Annual Program	\$100,000
	PW-SS-009	Flow Monitoring and Smoke Testing Program	Annual Program	\$100,000
	PW-SS-010	Winchester Sewer Upgrade (Butterfield)	New Project	\$150,000
	PW-WATER-002	Annual Watermain Replacement Program	Annual Program	\$1,150,000
	PW-WATER-003	Meter Replacement - Manual Meter Upgrade	Annual Program	\$40,000
	PW-WATER-004	Radio Read Touchpad - Replace Meter Heads	Annual Program	\$25,000
	PW-WATER-005	Fire Hydrant Replacements	Annual Program	\$30,000
	PW-WATER-006	New Valve Insertions	Annual Program	\$25,000
	PW-WATER-007	Miscellaneous System Repairs	Annual Program	\$50,000
	PW-WATER-017	Repairs at Centrum Reservoir	New Project	\$150,000
	PW-WWTP-001	Plant SCADA System	Continuing Project	\$364,800
	PW-WWTP-006	Screen & Grit Bldg. - Electrical System	New Project	\$44,000
	PW-WWTP-007	Screen & Grit Bldg. - Headworks Screen	New Project	\$100,000
	PW-WWTP-008	Screen & Grit Bldg. - Grit Collector	New Project	\$50,000
	PW-WWTP-010	Control Bldg. - Turbo Blowers	Continuing Project	\$2,055,000
Fund Total				\$4,908,800
Vehicle Maintenance and Replacement Service Fund				
	FD-EQU-002	Hurst Extrication Tools - Fire Station 2	New Project	\$28,500
	FD-FLEET-007	Administrative Vehicle Replacement - 4601	New Project	\$47,000
	FD-FLEET-009	Quint QT463/Engine Replacement	New Project	\$690,000
	PD-FLEET-001	Police Interceptors	Annual Program	\$160,000
	PD-FLEET-002	CSO Vehicles	Annual Program	\$40,000
	PW-FLEET-002	Unit 324 - Water Van	New Project	\$114,433
	PW-FLEET-006	Unit P-4 - Parks	New Project	\$26,690
Fund Total				\$1,106,623
FY 2021-2022 Total				\$17,614,620

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-INF-001
Project Name Commuter Parking Maintenance



Type Maintenance **Department** Public Works Department
Useful Life 20 years **Contact** Public Works Director
Category Parking **Priority** 1 Critical
Project Scope Annual Program

Description **Total Project Cost:** \$125,000

Resurfacing, maintenance and/or repairs of the several commuter lots maintained by the Village.

Justification

Consistent repairs, maintenance and resurfacing will extend the useful life of the Commuter Parking lots before reconstruction of the lots is necessary.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

Funding Sources	2022	2023	2024	2025	2026	Total
Commuter Parking Fund	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-008
Project Name Rockland Road Bridge Replacement



Type Improvement **Department** Public Works Department
Useful Life 50 years **Contact** Public Works Director
Category Bridges **Priority** 1 Critical
Project Scope Continuing Project

Description **Total Project Cost: \$1,048,700**
 In March 2018, the decorative steel truss on top of the bridge had to be removed as it was in a state of deterioration and could collapse under its own weight. The steel truss was removed shortly thereafter this determination. The bridge provides two way vehicular traffic and has a bike lane on the south end. The bridge was last replaced several decades ago and is in need of replacement.

Justification
 The bridge is equally owned and maintained by both the Village and Township. Construction is anticipated to occur in 2023 and cost approximately \$2,900,000. The Village and Township have secured the use Federal STP-Br Funds, which will cover 80% of the project (engineering & construction) costs.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
95,000	Planning/Design/Engineering	130,000	130,100				260,100
	Construction/Maintenance			346,800	346,800		693,600
Total	Total	130,000	130,100	346,800	346,800		953,700

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
95,000	Motor Fuel Tax Fund	130,000	130,100	346,800	346,800		953,700
Total	Total	130,000	130,100	346,800	346,800		953,700

Budget Impact/Other
 Staff anticipates a savings of \$5,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance			-5,000	-5,000	-5,000	-15,000
Total			-5,000	-5,000	-5,000	-15,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-PMP-001
Project Name Charles Brown Site Improvements



Type Improvement
Useful Life 20 years
Category Park Improvements
Project Scope Continuing Project
Department Administration & Finance
Contact Deputy Village Administrator
Priority 2 Important

Description **Total Project Cost: \$328,000**

The project will include replacement of existing playground equipment, earthwork, site work, lighting, path improvements and drainage. Additional project consideration includes: resurfacing basketball courts and integrating green infrastructure.

Estimated cost for playground, drainage and site furnishings only is \$150,000. Project cost for all site improvements, per the master plan is \$328,00.

Justification

In October of 2018 the Village Board approved a Parks Master Plan to develop a roadmap that would guide planning for the Village's park development decisions. The objectives were to assess existing park conditions, determine community sentiment about existing services and facilities, identify park needs and provide an action plan to implement strategies over the next fifteen years. Per the plan, this park is scheduled for improvements to begin in FY 20/21. The existing playground was installed in 1996. As equipment ages it is more likely that it will break or crack causing risk for injury and increased maintenance for staff. In addition, playground standards and ADA requirements have been updated to reflect current technology. The existing playground does not meet current playground or ADA standards.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
175,000	Construction/Maintenance	153,000					153,000
Total	Total	153,000					153,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
175,000	Park Improvement Fund	153,000					153,000
Total	Total	153,000					153,000

Budget Impact/Other

Estimated annual maintenance cost of \$1,500.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		1,500	1,500	1,500	1,500	6,000
Total		1,500	1,500	1,500	1,500	6,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-PMP-002
Project Name Nicholas-Dowden Site Improvements



Type Improvement
Useful Life 20 years
Category Park Improvements
Project Scope New Project
Department Administration & Finance
Contact Deputy Village Administrator
Priority 2 Important

Description **Total Project Cost:** \$840,150

The project will include replacement of existing playground equipment, earthwork, site work, lighting, path improvements and drainage. Additional project consideration includes: striping tennis courts, consolidating and repaving sports courts and striping tennis courts for pickleball. Estimated cost for playground, drainage and site furnishings only is \$200,000. Project cost for all site improvements, per the master plan is \$815,150. The design and engineering costs will be accounted for in FY 2021-2022.

Justification

In October of 2018 the Village Board approved a Parks Master Plan to develop a roadmap that would guide planning for the Village's park development decisions. The objectives were to assess existing park conditions, determine community sentiment about existing services and facilities, identify park needs and provide an action plan to implement strategies over the next fifteen years. The existing playground was installed in 1995. As equipment ages it is more likely that it will break or crack causing risk for injury and increased maintenance for staff. In addition, playground standards and ADA requirements have been updated to reflect current technology. The existing playground does not meet current playground or ADA standards.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	25,000	815,150				840,150
Total	25,000	815,150				840,150

Funding Sources	2022	2023	2024	2025	2026	Total
Park Improvement Fund	25,000	815,150				840,150
Total	25,000	815,150				840,150

Budget Impact/Other

Estimated annual maintenance cost of \$1,500.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance			1,500	1,500	1,500	4,500
Total			1,500	1,500	1,500	4,500

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-PMP-003
Project Name Greentree Site Improvements



Type Improvement
Useful Life 20 years
Category Park Improvements
Project Scope New Project
Department Administration & Finance
Contact Deputy Village Administrator
Priority 2 Important

Description **Total Project Cost: \$239,750**

The project will include replacement of existing playground equipment, earthwork, site work, path improvements and drainage. Additional project consideration includes: addition of a basketball court and backstop, as well as green infrastructure/landscape enhancements.

Estimated cost for playground, drainage and site furnishings only is \$100,000. Project cost for all site improvements, per the master plan is \$239,750.

Justification

In October of 2018 the Village Board approved a Parks Master Plan to develop a roadmap that would guide planning for the Village's park development decisions. The objectives were to assess existing park conditions, determine community sentiment about existing services and facilities, identify park needs and provide an action plan to implement strategies over the next fifteen years. The existing playground was installed in 1996. As equipment ages it is more likely that it will break or crack causing risk for injury and increased maintenance for staff. In addition, playground standards and ADA requirements have been updated to reflect current technology. The existing playground does not meet current playground or ADA standards.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	239,750					239,750
Total	239,750					239,750

Funding Sources	2022	2023	2024	2025	2026	Total
Park Improvement Fund	239,750					239,750
Total	239,750					239,750

Budget Impact/Other

Estimated annual maintenance cost of \$1,500.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		1,500	1,500	1,500	1,500	6,000
Total		1,500	1,500	1,500	1,500	6,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-PARKS-006
Project Name Charles Brown Parking Lot Resurfacing



Type Improvement **Department** Public Works Department
Useful Life 20 years **Contact** Public Works Director
Category Park Improvements **Priority** 3 Less Important
Project Scope New Project

Description **Total Project Cost:** \$230,000
Tear out old asphalt and replace, adjust base as needed.

Justification
Parking lot is used by park patrons and provides access to a Village operated Lift Station.

Expenditures	2022	2023	2024	2025	2026	Total
Planning/Design/Engineering	30,000					30,000
Construction/Maintenance		200,000				200,000
Total	30,000	200,000				230,000

Funding Sources	2022	2023	2024	2025	2026	Total
Park Improvement Fund	30,000	200,000				230,000
Total	30,000	200,000				230,000

Budget Impact/Other
No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-PARKS-012
Project Name Pond & Lake Management



Type Maintenance
Useful Life 5 years
Category Park Improvements
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$131,765

Provides for the care of the water bodies at several ponds and Butler lake.

Justification

Reduces algae and nuisance aquatic plants at several ponds, enhances fish quality and aesthetic beauty of the ponds. Includes maintenance of the mechanical aeration devices.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
12,765	Construction/Maintenance	20,000	20,000	22,000	22,000	35,000	119,000
Total	Total	20,000	20,000	22,000	22,000	35,000	119,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
12,765	Park Improvement Fund	20,000	20,000	22,000	22,000	35,000	119,000
Total	Total	20,000	20,000	22,000	22,000	35,000	119,000

Budget Impact/Other

Staff anticipates a savings of \$500/year in critical repairs.

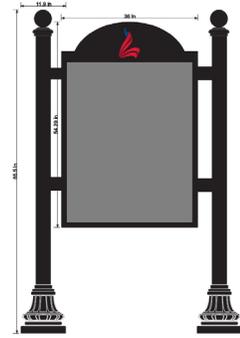
Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-500	-500	-500	-500	-500	-2,500
Total	-500	-500	-500	-500	-500	-2,500

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-SC-001
Project Name Downtown Directories



Type Improvement
Useful Life 30 years
Category Streetscape
Project Scope New Project
Department Community Development
Contact Community Development Director
Priority 2 Important

Description **Total Project Cost: \$37,500**

Installation of new Downtown Directories which customers use to orient themselves to stores, restaurants and parking areas within downtown Libertyville. They help to get people where they are going easily and efficiently, and will hopefully increase their stay when they find new businesses to frequent. An area for event calendars or announcements may be considered. Three directories are anticipated, one at each parking garage and one central to the downtown.

Justification
 This is a quick and easy way for customers to navigate to the businesses within the Village's downtown. Installing the directories will help the Village retain customers, homeowners, renters, and also encourage them to return. This is something requested by the Economic Development Commission and the MainStreet Libertyville Organization.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	37,500					37,500
Total	37,500					37,500

Funding Sources	2022	2023	2024	2025	2026	Total
Project Fund	37,500					37,500
Total	37,500					37,500

Budget Impact/Other
 Staff anticipates an additional \$500/year in maintenance.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		500	5,000	5,000	500	11,000
Total		500	5,000	5,000	500	11,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-SC-002
Project Name Peterson Road Streetscaping



Type Improvement **Department** Community Development
Useful Life 30 years **Contact** Community Development Director
Category Streetscape **Priority** 2 Important
Project Scope New Project

Description **Total Project Cost: \$60,500**

At the request of businesses along Peterson Road and the Economic Development Commission, the Village previously completed a phased streetscape improvement effort (initial phase 2012 complete) focused on landscaping on medians and business frontage. The plantings have experienced some die-off and require replacement. Additionally, the medians would benefit from some additional plantings to offer a stronger presence. An ongoing budget of approximately \$5000 annually is requested to address typical replacement needs. There has been some suggestion from the business community for entry signage, this amount is not included here.

Justification

This project would enhance the character of the business corridor on one of Libertyville's main thoroughfares and improve the customer experience. The Village has spent substantial funds on the existing beds and funds are required to maintain this investment.

Expenditures	2022	2023	2024	2025	2026	Total
Planning/Design/Engineering	5,500					5,500
Construction/Maintenance	55,000					55,000
Total	60,500					60,500

Funding Sources	2022	2023	2024	2025	2026	Total
Project Fund	60,500					60,500
Total	60,500					60,500

Budget Impact/Other

Staff anticipates an additional \$8,000 a year in landscaping replacements.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		8,000	8,000	8,000	8,000	32,000
Total		8,000	8,000	8,000	8,000	32,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-SC-003
Project Name Wayfinding Signs & Plans



Type Improvement
Useful Life 30 years
Category Streetscape
Project Scope New Project

Department Community Development
Contact Community Development Director
Priority 2 Important

Description **Total Project Cost: \$190,000**

The Wayfinding Signs are the signs which convey where or what direction certain landmarks, government offices, businesses, parking lots, or bike pathways are in town. These may be posted on poles or can be monument type assemblies. This project would update or replace these signs for consistency, safety and visibility. A consultant would be hired in the first year to assemble a plan for the signage need, design and locations.

Justification

Replacing the wayfinding signage in Libertyville would allow for residents and non-residents to find their way around town with ease. This will simultaneously improve the look of the Village as well as be a benefit to businesses here.

Expenditures	2022	2023	2024	2025	2026	Total
Planning/Design/Engineering	40,000					40,000
Construction/Maintenance		150,000				150,000
Total	40,000	150,000				190,000

Funding Sources	2022	2023	2024	2025	2026	Total
Project Fund	40,000	150,000				190,000
Total	40,000	150,000				190,000

Budget Impact/Other

Staff anticipates an additional \$1,500/year in maintenance.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		1,500	1,500	1,500	1,500	6,000
Total		1,500	1,500	1,500	1,500	6,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-SC-005
Project Name Corridor Studies - Milwaukee/Park



Type Improvement
Useful Life 25 years
Category Streetscape
Project Scope Continuing Project
Department Community Development
Contact Community Development Director
Priority 2 Important

Description **Total Project Cost: \$180,000**
 Determine the feasibility of implementing certain Comprehensive Plan recommendations within the North/South Milwaukee Avenue and Park corridor.

Justification
 Next phase of planning upon the adoption of the Comprehensive Plan.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
45,000	Planning/Design/Engineering	75,000	60,000				135,000
Total	Total	75,000	60,000				135,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
45,000	Project Fund	75,000	60,000				135,000
Total	Total	75,000	60,000				135,000

Budget Impact/Other
 No additional cost or savings to operating budget.

Capital Plan

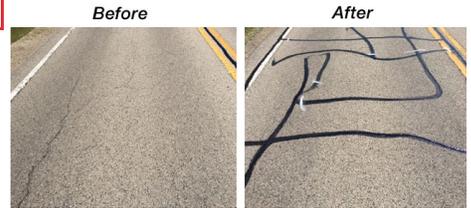
Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-001
Project Name Crack Sealing (by Contract)

Type Maintenance
Useful Life 25 years
Category Street Paving
Project Scope Annual Program

Department Public Works Department
Contact Public Works Director
Priority 2 Important



Description **Total Project Cost: \$215,000**

Crack sealing is a cost effective pavement maintenance process. Crack sealing will prevent water from infiltrating down to the sub-base and creating pot holes and alligator cracks, along with preventing the cracks from spreading further. In some instances, crack sealing can delay an overlay and help extend the life of the road.

Justification

Crack sealing will prevent water from infiltrating down to the sub-base and creating pot holes and alligator cracks, along with preventing the cracks from spreading further. In some instances, crack sealing can delay an overlay and help extend the life of the road.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
35,000	Construction/Maintenance	35,000	35,000	35,000	35,000	40,000	180,000
Total	Total	35,000	35,000	35,000	35,000	40,000	180,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
35,000	Project Fund	35,000	35,000	35,000	35,000	40,000	180,000
Total	Total	35,000	35,000	35,000	35,000	40,000	180,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-002
Project Name Pavement Patching



Type Maintenance
Useful Life 25 years
Category Street Paving
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$821,250

The Village performs asphalt pavement patching in selective areas on streets that are not currently scheduled for full-width rehabilitation as a measure to improve rideability and extend service life.

Justification

The Village performs asphalt pavement patching in selective areas on streets that are not currently scheduled for full-width rehabilitation as a measure to improve rideability and extend service life.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
71,250	Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	750,000
Total	Total	150,000	150,000	150,000	150,000	150,000	750,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
71,250	Project Fund	150,000	150,000	150,000	150,000	150,000	750,000
Total	Total	150,000	150,000	150,000	150,000	150,000	750,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-003
Project Name Road Program - Project Fund Portion



Type Improvement **Department** Public Works Department
Useful Life 50 years **Contact** Public Works Director
Category Street Paving **Priority** 1 Critical
Project Scope Annual Program

Description **Total Project Cost:** \$3,500,000

Mill and resurface Village-owned roads on an annual basis.

Justification

Resurfacing roads is significantly less expensive than reconstruction. Resurfacing roads extends the useful life of the road by 10-15 years.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
500,000	Construction/Maintenance	500,000	500,000	500,000	1,000,000	500,000	3,000,000
Total	Total	500,000	500,000	500,000	1,000,000	500,000	3,000,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
500,000	Project Fund	500,000	500,000	500,000	1,000,000	500,000	3,000,000
Total	Total	500,000	500,000	500,000	1,000,000	500,000	3,000,000

Budget Impact/Other

Staff anticipates a savings of \$5,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-5,000	-5,000	-5,000	-5,000	-5,000	-25,000
Total	-5,000	-5,000	-5,000	-5,000	-5,000	-25,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-004
Project Name Thermoplastic Pavement Marking



Type Maintenance
Useful Life 25 years
Category Street Paving
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$245,000

Thermoplastic pavement markings are used to delineate bike lanes, bus lanes, crosswalks, pedestrian safety areas, driving lanes and parking areas.

Justification

Staff uses an intergovernmental joint bidding process for pavement marking to achieve economies of scale. The thermoplastic markings are used for stop bars at intersections, crosswalks, parking lanes, etc.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
40,000	Construction/Maintenance	40,000	40,000	40,000	40,000	45,000	205,000
Total	Total	40,000	40,000	40,000	40,000	45,000	205,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
40,000	Project Fund	40,000	40,000	40,000	40,000	45,000	205,000
Total	Total	40,000	40,000	40,000	40,000	45,000	205,000

Budget Impact/Other

No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-ST-005
Project Name Streetlight Replacements



Type Improvement
Useful Life 25 years
Category Streetscape
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 1 Critical

Description **Total Project Cost: \$1,225,000**
 Replacement of old streetlights and the utilities to power the streetlights. Replaced streetlights are equipped with light emitting diode bulbs that require less energy and cost less than sodium light bulbs.

Justification
 New streetlights are less expensive and require less maintenance.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
200,000	Construction/Maintenance	200,000	200,000	200,000	200,000	225,000	1,025,000
Total	Total	200,000	200,000	200,000	200,000	225,000	1,025,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
200,000	Project Fund	200,000	200,000	200,000	200,000	225,000	1,025,000
Total	Total	200,000	200,000	200,000	200,000	225,000	1,025,000

Budget Impact/Other
 Staff anticipates a savings of \$5,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-5,000	-5,000	-5,000	-5,000	-5,000	-25,000
Total	-5,000	-5,000	-5,000	-5,000	-5,000	-25,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-FAC-001
Project Name Life Safety System - Village Hall



Type Maintenance
Useful Life 25 years
Category Buildings
Project Scope New Project
Department Administration & Finance
Contact Deputy Village Administrator
Priority 3 Less Important

Description

Total Project Cost: \$27,381

The life safety system includes replacement of audio/visual fixtures, control panel, detectors, emergency light fixtures, exit light fixtures, pull stations, and wiring.

Justification

All of the life safety components are original to the building from the 1994 conversion. The useful life is 25 years. Small failures occur on an annual basis with anticipated increases in failures due to the age of the equipment.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	27,381					27,381
Total	27,381					27,381

Funding Sources	2022	2023	2024	2025	2026	Total
Public Building Improvement Fund	27,381					27,381
Total	27,381					27,381

Budget Impact/Other

No additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # FD-FAC-001
Project Name Fire Station HVAC Replacement Program



Type Improvement **Department** Fire Department
Useful Life 20 years **Contact** Fire Chief
Category Buildings **Priority** 2 Important
Project Scope Annual Program

Description **Total Project Cost:** \$62,030
 Replacement of the rooftop HVAC units at Fire Stations 1, 2, and 3. Tentative schedule is listed below:
 Station 1 - 2021, 2022, and 2024
 Station 2 and 3 - 2023

Justification
 Most of the HVAC units at the fire stations are, or will be, overdue for overhaul and replacement. Proper functioning of the HVAC equipment is vital to ensuring preservation and utility of Village facilities.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
9,530	Construction/Maintenance	9,500	21,000	22,000			52,500
Total	Total	9,500	21,000	22,000			52,500

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
9,530	Public Building Improvement Fund	9,500	21,000	22,000			52,500
Total	Total	9,500	21,000	22,000			52,500

Budget Impact/Other
 Staff anticipates a savings of \$1,000/year in maintenance.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # FD-FAC-005
Project Name Roof Repair/Maintenance - Fire Station 1



Type Improvement **Department** Fire Department
Useful Life 20 years **Contact** Fire Chief
Category Buildings **Priority** 2 Important
Project Scope New Project

Description **Total Project Cost:** \$25,000
 Repairs and maintenance on 30 year old roof at Fire Station 1.

Justification
 Roof is in need of maintenance and repairs to increase life expectancy and prolong the need for replacement.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	25,000					25,000
Total	25,000					25,000

Funding Sources	2022	2023	2024	2025	2026	Total
Public Building Improvement Fund	25,000					25,000
Total	25,000					25,000

Budget Impact/Other
 No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FAC-016
Project Name Schertz - Generator Replacement



Type Improvement **Department** Public Works Department
Useful Life 30 years **Contact** Public Works Director
Category Buildings **Priority** 2 Important
Project Scope Continuing Project

Description **Total Project Cost:** \$72,600
 Remove old unit. Install new unit with fencing. FY 2022 work includes extension of existing circuits in order to afford generator coverage to the entire building.

Justification
 Schertz is utilized as a 24/7/365 building, which required the building to be operable in power outages.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
62,600	Construction/Maintenance	10,000					10,000
Total	Total	10,000					10,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
62,600	Public Building Improvement Fund	10,000					10,000
Total	Total	10,000					10,000

Budget Impact/Other
 Staff anticipates a savings of \$500/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-500	-500	-500	-500	-500	-2,500
Total	-500	-500	-500	-500	-500	-2,500

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FAC-021
Project Name 544 North Ave - Life Safety System



Control panel

Type Improvement **Department** Public Works Department
Useful Life 25 years **Contact** Public Works Director
Category Buildings **Priority** 3 Less Important
Project Scope New Project

Description **Total Project Cost:** \$37,500

The life safety system includes replacement of audio/visual fixtures, control panel, detectors, emergency light fixtures, exit light fixtures, pull stations and wiring.

Justification

All of the life safety components are original to the building from the 1994 construction. The useful life is 25 years. Small failures occur on an annual basis with anticipated increases in failures due to the age of the equipment.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	37,500					37,500
Total	37,500					37,500

Funding Sources	2022	2023	2024	2025	2026	Total
Public Building Improvement Fund	37,500					37,500
Total	37,500					37,500

Budget Impact/Other

No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FAC-024
Project Name 544 North Ave - Roof Replacement

Type Improvement
Useful Life 20 years
Category Buildings
Project Scope New Project

Department Public Works Department
Contact Public Works Director
Priority 3 Less Important



Description **Total Project Cost: \$118,770**

Replacement of 12,900 square feet of flat roofing. The quantity includes the east garage roof, the west garage roof and the office roof.

Justification

The roof is original to building conversion in 1994. The current condition is fair to poor; however, there is a significant history of leaks. The roof is beyond its end of life.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	118,770					118,770
Total	118,770					118,770

Funding Sources	2022	2023	2024	2025	2026	Total
Public Building Improvement Fund	118,770					118,770
Total	118,770					118,770

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000		-4,000
Total	-1,000	-1,000	-1,000	-1,000		-4,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FAC-025
Project Name 544 North Ave - Wall/Beam Repair



Type Improvement **Department** Public Works Department
Useful Life 30 years **Contact** Public Works Director
Category Buildings **Priority** 3 Less Important
Project Scope New Project

Description **Total Project Cost:** \$29,575
 Recommended inspection and repair and replacement of steel lintels. Replacement of damaged masonry, step cracks and mortar deterioration.

Justification
 The building was built in 1994. There are visible step cracks and masonry damage and mortar deterioration.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	29,575					29,575
Total	29,575					29,575

Funding Sources	2022	2023	2024	2025	2026	Total
Public Building Improvement Fund	29,575					29,575
Total	29,575					29,575

Budget Impact/Other
 Staff anticipates a savings of \$500/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		-500	-500	-500	-500	-2,000
Total		-500	-500	-500	-500	-2,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SW-001
Project Name Storm Sewer Flood Reduction Projects



Type Improvement **Department** Public Works Department
Useful Life 40 years **Contact** Public Works Director
Category Storm Sewer/Drainage **Priority** 1 Critical
Project Scope New Project

Description **Total Project Cost:** \$24,683,201

Flood reduction projects in the 12 Flood Study Areas. Capital improvement projects include increasing storm sewer sizes, adding relief storm sewers and incorporating stormwater storage.

- FY 2021 - Rockland Road Engineering, Burdick & Ames Engineering
- FY 2022 - Rockland Road Construction, Burdick & Ames Engineering
- FY 2023 - Burdick & Ames Construction
- FY 2024 - Burdick & Ames Construction, Copeland Manor Engineering
- FY 2025 - Pause for Construction/Engineering Catch-Up
- FY 2026 - Copeland Manor Construction, Winchester/Interlaken/Stonegate Engineering

Justification

Reduce existing flood/drainage problems, including structure and street flooding, Prevent an increase in existing flood/drainage problems as redevelopment occurs, and help preserve and enhance stormwater quality.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
1,450,871	Construction/Maintenance	5,946,585	6,257,306	7,269,996	0	3,758,443	23,232,330
Total	Total	5,946,585	6,257,306	7,269,996	0	3,758,443	23,232,330

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
1,450,871	Stormwater Sewer Fund	5,946,585	6,257,306	7,269,996	0	3,758,443	23,232,330
Total	Total	5,946,585	6,257,306	7,269,996	0	3,758,443	23,232,330

Budget Impact/Other

Staff anticipates an increase of \$25,000/year in maintenance of new sewers.

Prior	Budget Items	2022	2023	2024	2025	2026	Total
25,000	Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
Total	Total	25,000	25,000	25,000	25,000	25,000	125,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SW-002
Project Name Storm Sewer Improvements - Miscellaneous



Type Improvement
Useful Life 40 years
Category Storm Sewer/Drainage
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 1 Critical

Description **Total Project Cost:** \$300,000

Various storm sewer improvements that reduce the risk of flooding and prevent property damage while managing the quality of stormwater runoff.

Justification

Various storm sewer improvements that reduce the risk of flooding and prevent property damage while managing the quality of stormwater runoff.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
50,000	Construction/Maintenance	50,000	50,000	50,000	50,000	50,000	250,000
Total	Total	50,000	50,000	50,000	50,000	50,000	250,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
50,000	Stormwater Sewer Fund	50,000	50,000	50,000	50,000	50,000	250,000
Total	Total	50,000	50,000	50,000	50,000	50,000	250,000

Budget Impact/Other

Staff anticipates an increase of \$2,500/year in maintenance of new sewers.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	2,500	2,500	2,500	2,500	2,500	12,500
Total	2,500	2,500	2,500	2,500	2,500	12,500

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SW-003
Project Name Cleaning and Televising of Storm Sewers



Type Maintenance
Useful Life 40 years
Category Storm Sewer/Drainage
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$500,000**

Cleaning and inspecting sewer lines are essential to maintaining a properly functioning system. Inspection programs are required to determine current sewer conditions and to aid in planning a maintenance strategy.

Justification

Annual sewer televising gives staff a visual inspection of the sewer system to determine maintenance and repairs that need to be completed to reduce inflow/infiltration getting into the sewer.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Funding Sources	2022	2023	2024	2025	2026	Total
Stormwater Sewer Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SW-004
Project Name Storm Sewer Structure Cleaning



Type Maintenance
Useful Life 40 years
Category Storm Sewer/Drainage
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$375,000**

To clean sewers, contractor uses high-pressure water to propel a jet nozzle at the end of a specialized hose through the sewer pipeline, breaking through obstructions and blockages. As the jet hose is rewound, high-pressure water cleans the sewer walls and back flushes all the debris. Then everything is vacuumed into a debris tank.

Justification

Cleaning of storm sewer reduces the need to remove & replace sections of pipe or line sewers and extends the useful life of the sewer pipe. Reduce blockages in the sewer pipe.

Expenditures	2022	2023	2024	2025	2026	Total
Construction/Maintenance	75,000	75,000	75,000	75,000	75,000	375,000
Total	75,000	75,000	75,000	75,000	75,000	375,000

Funding Sources	2022	2023	2024	2025	2026	Total
Stormwater Sewer Fund	75,000	75,000	75,000	75,000	75,000	375,000
Total	75,000	75,000	75,000	75,000	75,000	375,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-IT-003
Project Name Annual Hardware Replacement



Type Equipment
Useful Life 5 years
Category Equipment: Computers
Project Scope Annual Program
Department Administration & Finance
Contact Deputy Village Administrator
Priority 3 Less Important

Description **Total Project Cost: \$356,158**

The Village's goal is to replace desktops and laptops on a four year replacement cycle. Typically five laptops with monitors and docking stations are replaced along with 40 desktops with monitors.

Justification

Routine replacement cycles spread costs over time. Identical hardware models are purchased for as many years as possible to simplify troubleshooting and update processes. Improves staff productivity with version updates. Reduces downtime from equipment failures and maintenance costs common in aged hardware.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
6,000	Equip/Vehicles/Furnishings	66,500	68,045	69,636	71,275	74,702	350,158
Total	Total	66,500	68,045	69,636	71,275	74,702	350,158

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
6,000	Technology Equipment and Replacement Service Fund	66,500	68,045	69,636	71,275	74,702	350,158
Total	Total	66,500	68,045	69,636	71,275	74,702	350,158

Budget Impact/Other

No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-IT-007
Project Name Parking Deck Cameras - Lake Street



Type Equipment
Useful Life 10 years
Category Equipment: Computers
Project Scope New Project
Department Administration & Finance
Contact Deputy Village Administrator
Priority 2 Important

Description **Total Project Cost: \$50,000**

This project would include replacement of the existing approximately 30 cameras in the garage with new, infrared cameras and cabling. The system will remain part of Exaqvison for connectivity with the Police Department.

Justification

As part of the construction of the garage, cameras were installed for passive monitoring by the Police Department and in the event that an issues arises. The cameras will have reached their useful life. The quality of the cameras degrades over time and as such they need to be replaced to ensure that footage that is captured is usable.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	50,000					50,000
Total	50,000					50,000

Funding Sources	2022	2023	2024	2025	2026	Total
Technology Equipment and Replacement Service Fund	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Staff anticipates an additional \$3,000/year in maintenance.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		3,000	3,000	3,000	3,000	12,000
Total		3,000	3,000	3,000	3,000	12,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # ADM-IT-008
Project Name Phone System Replacement



Type Equipment
Useful Life 10 years
Category Equipment: Computers
Project Scope Annual Program
Department Administration & Finance
Contact Deputy Village Administrator
Priority 3 Less Important

Description **Total Project Cost: \$110,823**
 Phased replacement of all phone system components to include, hardware, software and licenses at all Village-owned buildings.

Justification
 The current phone system has reached its end of life. The phones are operating at a higher MHz requirement than necessary and are connected to the computer network which has an impact on speed. Replacement of the phones is the largest part of the project. The other components of the phone system should be replaced at the same time to ensure the system works as intended and as efficiently as possible.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
10,823	Equip/Vehicles/Furnishings	20,000	20,000	20,000	20,000	20,000	100,000
Total	Total	20,000	20,000	20,000	20,000	20,000	100,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
10,823	Technology Equipment and Replacement Service Fund	20,000	20,000	20,000	20,000	20,000	100,000
Total	Total	20,000	20,000	20,000	20,000	20,000	100,000

Budget Impact/Other
 No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PD-IT-002
Project Name Squad Car - Video Camera System



Type Equipment
Useful Life 10 years
Category Equipment: Computers
Project Scope New Project
Department Police Department
Contact Police Chief
Priority 2 Important

Description

Total Project Cost: \$152,100

The system wide replacement of the police departments current mobile video system installed in the patrol fleet. The current system has been in service since 2013 and is rapidly approaching its EUL. The system wide replacement would include updated redaction software and server replacement for increased capability, longer retention, and increased reliability.

Justification

The police departments in car mobile video system forms a comprehensive network to increase officer safety, reduce allegations of police misconduct, and aid in criminal prosecutions. The police department is required by law in certain circumstances to video and audio record interviews and criminal investigations. The in car mobile video system directly aids in these interviews/ interrogations when they occur spontaneously on the street or due to circumstances which prevent the officer from conducting the interview at the police department.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	152,100					152,100
Total	152,100					152,100

Funding Sources	2022	2023	2024	2025	2026	Total
Technology Equipment and Replacement Service Fund	152,100					152,100
Total	152,100					152,100

Budget Impact/Other

Staff anticipates an additional \$2,500/year in maintenance.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		2,500	2,500	2,500	2,500	10,000
Total		2,500	2,500	2,500	2,500	10,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-TIF-001
Project Name East Parking Lot at School St.



Type Improvement
Useful Life 20 years
Category Parking
Project Scope Continuing Project
Department Community Development
Contact Community Development Director
Priority 1 Critical

Description

The parking lot located on the east side of Milwaukee Ave between Cook and School Streets has been in need of improvement for a number of years. The pavement is currently crumbling, landscaping and dumpster enclosures are lacking. Fragmented ownership has made coordination difficult. Staff is completing pavement on the south end of the lot at Cook this Spring 2019, and would like to focus on the north end at School St in 2021. The timing of construction will be dependent on timing of agreements approval with remaining ownership and will fall in either late FY 2020-2021 or early FY 2021-2022.

Justification

Current state of disrepair, and need for coordinated signage and trash collection locations necessitates improvement. The improvement will make for a better customer experience, and make parking regulations more understandable to users and enforceable for Police.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
15,000	Construction/Maintenance	215,000					215,000
Total	Total	215,000					215,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
15,000	TIF Fund	215,000					215,000
Total	Total	215,000					215,000

Budget Impact/Other

No additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # CD-TIF-002
Project Name Church St. Parking Deck Monument Sign



Type Improvement
Useful Life 20 years
Category Parking
Project Scope Continuing Project
Department Community Development
Contact Community Development Director
Priority 2 Important

Description

The project is a monument sign to bring visibility to the main entrance drive to the Village's Church St. Parking Deck. The Parking Commission has expressed interest in a more identifiable entry.

Justification

This would boost awareness of this parking deck and therefore remove more parking and traffic circulation issues from other parts of the downtown area. The feature will assist customers not familiar with the area to find the structure from further away from the entry point.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
10,000	Construction/Maintenance	65,000					65,000
Total	Total	65,000					65,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
10,000	TIF Fund	65,000					65,000
Total	Total	65,000					65,000

Budget Impact/Other

No additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SS-005
Project Name Annual Sewer Televising Inspection



Type Maintenance
Useful Life 40 years
Category Sanitary Sewer
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$600,000**

Cleaning and inspecting sewer lines are essential to maintaining a properly functioning system. Inspection programs are required to determine current sewer conditions and to aid in planning a maintenance strategy.

Justification

Annual sewer televising gives staff a visual inspection of the sewer system to determine maintenance and repairs that need to be completed to reduce inflow/infiltration getting into the sanitary sewer.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
100,000	Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
100,000	Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

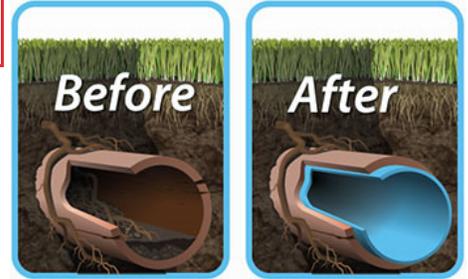
Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SS-006
Project Name Lining and Point Repairs Construction



Type Maintenance
Useful Life 40 years
Category Sanitary Sewer
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$1,650,000**
 A resin-saturated felt tube made of polyester, fiberglass cloth or any of a number of other materials suitable for resin impregnation, is inserted or pulled into a damaged pipe. It is usually done from the upstream access point (manhole or excavation).

Justification
 Little to no digging is involved in this trenchless process, making for a potentially more cost-effective and less disruptive method than traditional "dig and replace" pipe repair methods. This practice extends the useful life of the sewer pipes versus complete replacement.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
150,000	Construction/Maintenance	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
150,000	Utility Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Budget Impact/Other
 Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SS-007
Project Name Manhole Repairs - Various Locations



Type Maintenance
Useful Life 40 years
Category Sanitary Sewer
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$600,000

Manhole frame and covers are repaired in areas where they are damaged, above or below the street grade, and/or allow street runoff to enter the sewer system. To replace a cover and its frame a small pit around the manhole will be excavated. This process will only take a couple of days for the excavation, setting of the repair, backfill of the hole and resurfacing.

Justification

Repairing manhole covers reduces water runoff from entering into the sewer system; and reduces vehicle damage to vehicles if the manhole is below grade.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
100,000	Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
100,000	Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-SS-009
Project Name Flow Monitoring and Smoke Testing Program



Type Improvement
Useful Life 40 years
Category Sanitary Sewer
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$525,000

Monitoring of sanitary system flow rates in concentrated areas of the sanitary system in an effort to determine excess points of Inflow and Infiltration (I&I). Smoke testing coincides with the flow monitoring which consists of blowing smoke into the sanitary system. A report is developed based on findings of suggested I&I mitigation processes and projects.

Justification

I&I is problematic because the sanitary sewers are only designed to handle flows from the contributing properties and not groundwater. If flows spike after a rainfall, it lets staff know that attention to I&I mitigation projects are needed. Smoke testing coincides with the monitoring which is performed with the goal of finding improper connections to the storm system or other deficiencies in the sanitary system.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
25,000	Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
25,000	Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-WATER-002
Project Name Annual Watermain Replacement Program



Type Improvement **Department** Public Works Department
Useful Life 40 years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Project Scope Annual Program

Description **Total Project Cost:** \$5,600,000
 Annual replacement of segments of existing water main facilities.

Justification
 Aging water main systems are often susceptible to material deterioration, leaks, and pipe breaks over time. The annual replacement program targets the replacement of older mains that have experienced performance issues.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
350,000	Construction/Maintenance	1,150,000	1,000,000	1,000,000	1,000,000	1,100,000	5,250,000
Total	Total	1,150,000	1,000,000	1,000,000	1,000,000	1,100,000	5,250,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
350,000	Utility Fund	1,150,000	1,000,000	1,000,000	1,000,000	1,100,000	5,250,000
Total	Total	1,150,000	1,000,000	1,000,000	1,000,000	1,100,000	5,250,000

Budget Impact/Other
 Staff anticipates a savings of \$1,000/year in critical repairs and water loss.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000
Total	-1,000	-1,000	-1,000	-1,000	-1,000	-5,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-WATER-005
Project Name Fire Hydrant Replacements



Type Equipment
Useful Life 40 years
Category Water Distribution
Project Scope Annual Program
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$185,000**

Annual replacement of existing fire hydrants.

Justification

The hydrant replacement project will allow for the Public Works Department to replace existing fire hydrants that have been identified to be in poor condition due to age or overall functionality.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
30,000	Equip/Vehicles/Furnishings	30,000	30,000	30,000	30,000	35,000	155,000
Total	Total	30,000	30,000	30,000	30,000	35,000	155,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
30,000	Utility Fund	30,000	30,000	30,000	30,000	35,000	155,000
Total	Total	30,000	30,000	30,000	30,000	35,000	155,000

Budget Impact/Other

No material additional cost or savings to operating budget.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-WATER-007
Project Name Miscellaneous System Repairs



Type Maintenance **Department** Public Works Department
Useful Life 40 years **Contact** Public Works Director
Category Water Distribution **Priority** 3 Less Important
Project Scope Annual Program

Description **Total Project Cost: \$305,000**
 Annual identified system repairs.

Justification
 Replacement of deteriorated components of the water distribution system, which will include but not limited to lead services, line stops, and pumps.

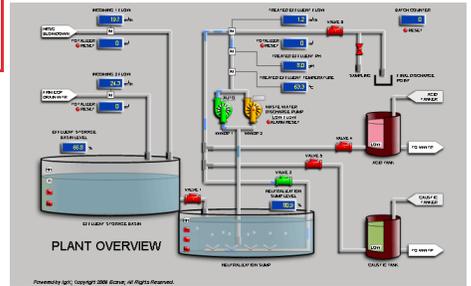
Prior	Expenditures	2022	2023	2024	2025	2026	Total
50,000	Construction/Maintenance	50,000	50,000	50,000	50,000	55,000	255,000
Total	Total	50,000	50,000	50,000	50,000	55,000	255,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
50,000	Utility Fund	50,000	50,000	50,000	50,000	55,000	255,000
Total	Total	50,000	50,000	50,000	50,000	55,000	255,000

Budget Impact/Other
 No material additional cost or savings to operating budget.

Village of Libertyville, Illinois

Project #	PW-WWTP-001
Project Name	Plant SCADA System
Type	Improvement
Useful Life	25 years
Category	Wastewater
Project Scope	Continuing Project
Department	Public Works Department
Contact	Public Works Director
Priority	1 Critical



Description

Total Project Cost: \$912,000

Project is to replace existing equipment operation indicators display with Supervisory Control and Data Acquisition (SCADA) to control, monitor and display operational status. Using human / machine interface touchscreen (HMI) systems can be operated automatically and monitored locally and remotely. Alarm status will generate through SCADA.

Phase I - 2021
Phase II - 2022

Justification

Current system is archaic parts and support are becoming less available. Reliability has deteriorated. Many functions as pumping that operators are performing can be done automatically freeing up staff for other tasks. Will improve operation of the facility by evening out pumping cycles over 24 hours rather in batches when operators are present.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
547,200	Construction/Maintenance	364,800					364,800
Total	Total	364,800					364,800

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
547,200	Utility Fund	364,800					364,800
Total	Total	364,800					364,800

Budget Impact/Other

Staff anticipates a savings of \$10,000/year in overtime related to the current outdated SCADA system.

Budget Items	2022	2023	2024	2025	2026	Total
Staff Cost		-10,000	-10,000	-10,000	-10,000	-40,000
Total		-10,000	-10,000	-10,000	-10,000	-40,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-WWTP-008
Project Name Screen & Grit Bldg. - Grit Collector



Type Improvement
Useful Life 50 years
Category Wastewater
Project Scope New Project
Department Public Works Department
Contact Public Works Director
Priority 1 Critical

Description

Total Project Cost: \$650,000

Project consist of demolition, reconfiguring structures and installation of grit system. A compact grit removal system can remove 95% of 106 micron or larger particles. Grit washers separate and return volatile solids while collecting inorganic material for disposal, saving space and capacity in downstream structures. Organic material returned to the process provides food for the biological process microbes.

Justification

Existing equipment is past engineered design life at 32 years when project is planned for completion.

Expenditures	2022	2023	2024	2025	2026	Total
Planning/Design/Engineering	50,000					50,000
Construction/Maintenance		600,000				600,000
Total	50,000	600,000				650,000

Funding Sources	2022	2023	2024	2025	2026	Total
Utility Fund	50,000	600,000				650,000
Total	50,000	600,000				650,000

Budget Impact/Other

Staff anticipates a savings of \$5,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance			-5,000	-5,000	-5,000	-15,000
Total			-5,000	-5,000	-5,000	-15,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-WWTP-010
Project Name Control Bldg. - Turbo Blowers



Type Improvement
Useful Life 40 years
Category Wastewater
Project Scope Continuing Project
Department Public Works Department
Contact Public Works Director
Priority 1 Critical

Description **Total Project Cost: \$2,117,600**
 Project consist of replacement of centrifugal blowers and air diffusers with high speed, high efficient turbo blowers and fine air diffusers. Inline air control and monitoring meters will provide control of the blowers to meet real-time oxygen demand.

Justification
 Project replaces outdated equipment that beyond existing useful service life. Greater than 30% energy savings will be realized. Energy incentives should be available.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
62,600	Construction/Maintenance	2,055,000					2,055,000
Total	Total	2,055,000					2,055,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
62,600	Utility Fund	2,055,000					2,055,000
Total	Total	2,055,000					2,055,000

Budget Impact/Other
 Staff anticipates a savings of \$5,000/year in critical repairs and energy costs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		-5,000	-5,000	-5,000	-5,000	-20,000
Total		-5,000	-5,000	-5,000	-5,000	-20,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # FD-FLEET-009
Project Name Quint QT463/Engine Replacement



Type Equipment
Useful Life 15 years
Category Vehicles
Project Scope New Project
Department Fire Department
Contact Fire Chief
Priority 2 Important

Description

Replace Quint fire apparatus with fire engine.

Justification

Quint combination pumper or quint is a fire service apparatus that serves the dual purpose of an engine and a ladder truck. Five functions that a quint provides: pump, water tank, fire hose, aerial device, and ground ladders. A vital vehicle for the Fire Department for Village and MABAS fire calls.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	690,000					690,000
Total	690,000					690,000

Funding Sources	2022	2023	2024	2025	2026	Total
Vehicle Maintenance and Replacement Service Fund	690,000					690,000
Total	690,000					690,000

Budget Impact/Other

Staff anticipates a savings of \$5,000/year in maintenance.

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project #	PD-FLEET-001
Project Name	Police Interceptors



Type	Equipment	Department	Police Department
Useful Life	3 years	Contact	Police Chief
Category	Vehicles	Priority	2 Important
Project Scope	Annual Program		

Description	Total Project Cost: \$1,000,000
Replace Police Interceptor vehicles annually.	

Justification
On the road 24/7/365 days a year. High mileage at EUL. Washdown to Village fleet to replace older vehicles. Older vehicles will go to auction with Village Board approval.

Prior	Expenditures	2022	2023	2024	2025	2026	Total
150,000	Equip/Vehicles/Furnishings	160,000	165,000	170,000	175,000	180,000	850,000
Total	Total	160,000	165,000	170,000	175,000	180,000	850,000

Prior	Funding Sources	2022	2023	2024	2025	2026	Total
150,000	Vehicle Maintenance and Replacement Service Fund	160,000	165,000	170,000	175,000	180,000	850,000
Total	Total	160,000	165,000	170,000	175,000	180,000	850,000

Budget Impact/Other
Staff estimates a aggregate reduction in operating expenditures of \$4,000 over the next five years.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-800	-800	-800	-800	-800	-4,000
Total	-800	-800	-800	-800	-800	-4,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PD-FLEET-002
Project Name CSO Vehicles



Type Equipment
Useful Life 5 years
Category Vehicles
Project Scope Annual Program
Department Police Department
Contact Police Chief
Priority 2 Important

Description **Total Project Cost: \$80,000**

Replace two CSO vehicles with pick-up trucks

Justification
 Replace two CSO vehicles with pick-up trucks. Both current CSO vehicles are wash down vehicles. CSO's need more room for their gear and stray animals.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	40,000	40,000				80,000
Total	40,000	40,000				80,000

Funding Sources	2022	2023	2024	2025	2026	Total
Vehicle Maintenance and Replacement Service Fund	40,000	40,000				80,000
Total	40,000	40,000				80,000

Budget Impact/Other
 Staff estimates a aggregate reduction in operating expenditures of \$4,000 over the next five years.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance	-800	-800	-800	-800	-800	-4,000
Total	-800	-800	-800	-800	-800	-4,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FLEET-002
Project Name Unit 324 - Water Van



Type Equipment
Useful Life 11 years
Category Vehicles
Project Scope New Project
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost: \$114,433**

Replacement of 2001 GMC Chevy (aka the Water Van). Used by the Utilities Division on watermain and water service breaks.

Justification

Replacement of the truck will reduce maintenance expenditures in the vehicle replacement fund. This van is essential to the Utilities Division - essentially a large tool box on wheels.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	114,433					114,433
Total	114,433					114,433

Funding Sources	2022	2023	2024	2025	2026	Total
Vehicle Maintenance and Replacement Service Fund	114,433					114,433
Total	114,433					114,433

Budget Impact/Other

Staff anticipates a savings of \$1,000/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		-1,000	-1,000	-1,000	-1,000	-4,000
Total		-1,000	-1,000	-1,000	-1,000	-4,000

Capital Plan

Data in Year 2022

Village of Libertyville, Illinois

Project # PW-FLEET-006
Project Name Unit P-4 - Parks



Type Equipment
Useful Life 11 years
Category Vehicles
Project Scope New Project
Department Public Works Department
Contact Public Works Director
Priority 2 Important

Description **Total Project Cost:** \$26,690
 Replace 2006 Parks Division Dodge Dakota.

Justification
 Has 73,349 miles and at EUL per Fixed Asset Policy. Increased maintenance costs on older vehicles. The Village will receive more money at auction selling a newer vehicle.

Expenditures	2022	2023	2024	2025	2026	Total
Equip/Vehicles/Furnishings	26,690					26,690
Total	26,690					26,690

Funding Sources	2022	2023	2024	2025	2026	Total
Vehicle Maintenance and Replacement Service Fund	26,690					26,690
Total	26,690					26,690

Budget Impact/Other
 Staff anticipates a savings of \$500/year in critical repairs.

Budget Items	2022	2023	2024	2025	2026	Total
Maintenance		-500	-500	-500	-500	-2,000
Total		-500	-500	-500	-500	-2,000