Village of Barrington

BARRINGTON

Be Inspired.

Capital Improvement Plan

2021-2025

**Blue Items are included in draft 2021 Budget*

Pg	Type		Strat. Plan	Year 1 2021	Year 2 2022	Year 3 2023	Year 4 2024	Year 5 2025	Year 1-5 Total
1		**Facility & Property Improvements**							
2	M	**PSF Hot Water Heater Installation**	**INF**	**10,000**					10,000
3	M	VH Improvements		40,000	40,000	40,000	40,000	40,000	200,000
4	M	PSF Improvements		40,000	40,000	40,000	40,000	40,000	200,000
5	M	**Removal of Trees from Village Properties**	**C/C**	**75,000**	75,000	75,000	75,000	75,000	375,000
6	M	Train (Metra) Station Roof		250,000					250,000
7	M	**PSF Jail Cell Floor Drains**	**INF**	**30,000**					30,000
8	S	PW New Facility Study & Design		50,000	250,000				300,000
8	I	PW New Facility Construction					20,000,000		20,000,000
9	I	VH Carpet Replacement		175,000					175,000
10	I	VH Windows		12,000					12,000
11	I	PSF Carpet Replacement			150,000				150,000
12	I	VH Replace HVAC System & Roof		100,000	1,100,000				1,200,000
13	I	PSF HVAC System				75,000	75,000	75,000	225,000
14	I	PSF Driveway Apron Repairs		40,000					40,000
15	B	**Replacement Trees for Village Properties**	**C/C**	**40,000**	40,000	40,000	40,000	40,000	200,000
16	B	**Seasonal Decorations**	**C/C**	**3,500**	55,000	27,500	25,000	25,000	136,000
17	B	Holiday Lights		100,000	100,000	50,000	50,000	50,000	350,000
			Subtotal	965,500	1,850,000	347,500	20,345,000	345,000	23,853,000
18		**Pedestrian & Bikeway Projects**							
19	M	Lake-Cook Road Fox Point Bridge Approach Reconstruction		45,000	250,000				295,000
20	M	Sidewalk Improvements throughout Village		60,000	60,000	60,000	60,000	60,000	300,000
21	S	Sidewalk Trip Hazard Assessment		10,000					10,000
22	S	Village Bike & Pedestrian Connectivity Study and Assessment			75,000				75,000
23	G	**Hart Road/Main Street Multi-Use Path - Village Payments**	**C/C**	**142,000**		1,000,000			1,142,000
23	G	***Hart Road/Main Street Multi-Use Path - Grant Reimbursement***	**C/C**	**(45,000)**		(640,000)			(685,000)
24	G	Pedestrian Underpass at Main Street & CN Tracks			150,000	500,000	6,000,000		6,650,000
25	I	Annual ADA Improvements (Engineering & Construction)		70,000	70,000	70,000	70,000	70,000	350,000
26	B	Central Business District Brick Paver Replacements						5,000,000	5,000,000
27	B	Downtown Speaker/Music System		50,000	550,000				600,000
			Subtotal	332,000	1,155,000	990,000	6,130,000	5,130,000	13,737,000
28		**Street Improvements**							
29	M	**Annual Curb Maintenance**	**INF**	**15,000**	15,000	15,000	15,000	15,000	75,000
30	M	**Annual Bridge Inspection and Reporting**	**INF**	**4,000**	4,000	4,000	4,000	4,000	20,000
31	G	**Route 14 Underpass - Village Payments**	**INF/ED**	**2,600,000**	1,600,000		1,500,000		5,700,000
31	G	***Route 14 Underpass - Grant Reimbursement***	**INF/ED**	**(1,800,000)**	(1,085,000)				(2,885,000)
32	I	Paint Street Lights and Traffic Signals				275,000			275,000
33	I	Annual Road Program		2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
34	I	Annual Alley Program		200,000	200,000	200,000	200,000	200,000	1,000,000
35	I	Highland Avenue (Hillside to South Street) Road & Utility Improvements		40,000			450,000		490,000
36	I	Cook Street (Hillside to Wisconsin) Road & Utility Improvements		40,000			350,000		390,000
37	I	Lincoln Avenue (Lill to Dundee) Road & Utility Improvements		40,000		300,000			340,000
38	I	Applebee Street (Main to Harrison) Road & Utility Improvements		40,000		400,000			440,000
39	I	Grove Avenue (Russell to Hillside) Road & Utility Improvements		80,000	2,000,000				2,080,000
			Subtotal	3,759,000	5,234,000	3,694,000	5,019,000	2,719,000	20,425,000
40		**Parking Improvements**							
41	M	Annual Parking Lot Maintenance Program		100,000	100,000	100,000	100,000	100,000	500,000
42	M	South Commuter Lot #2 Lighting, Guardrail and Pavement Repairs		75,000					75,000
43	S	Village Parking and Transportation Study				75,000			75,000
44	G	**North Commuter Lot Entrance Drive - Village Payments**	**C/C/ED**	**2,320,000**					2,320,000
44	G	***North Commuter Lot Entrance Drive - Grant Reimbursement***	**C/C/ED**	**(1,670,000)**					(1,670,000)
45	I	Lot 13 Improvements			50,000	750,000			800,000
			Subtotal	825,000	150,000	925,000	100,000	100,000	2,100,000
46		**Stormwater Management Improvements**							
47	M	Storm Basin Maintenance (5 Areas)		16,000	28,000	40,000	40,000	40,000	164,000
47	M	Storm Basin Maintenance - School and Park District Reimbursement				(5,000)	(5,000)	(5,000)	(15,000)
48	S	Televise, Clean, Inspect, GIS Collection and Mapping of Storm Sewer		460,000	500,000	470,000	350,000	370,000	2,150,000
49	S	Storm Basin Assessment and Maintenance Plan (Cornell Basin)		10,000					10,000
50	I	Providence Road Parkway Drainage		150,000					150,000
51	I	Cold Spring Road Drainage Investigation		80,000					80,000
52	I	Annual Stormwater Program		80,000	80,000	80,000	80,000	80,000	400,000
53	B	Neighborhood Drainage Cost Share Program		15,000	20,000	20,000	20,000	20,000	95,000
			Subtotal	811,000	628,000	605,000	485,000	505,000	3,034,000
54		**Water Main & Water Facility/System Improvements**							
55	M	Water Meter Replacement and Software Upgrade		1,500,000	1,000,000	1,000,000	50,000	50,000	3,600,000
56	M	Water Well Inspections/Repairs (4 Total)			100,000		100,000		200,000
57	M	**Water Tower and Reservoir Inspections/Repairs (6 Total)**	**INF**	**5,000**	5,000	5,000	5,000	5,000	25,000
58	M	**Water Pumping Station VFD Installation**	**INF**	**10,000**	10,000	10,000	10,000	10,000	50,000
59	M	Water Pumping Station PLCs			40,000		40,000		80,000
60	S	Water Facility Risk & Resilience Assessment/Emergency Response Plan		36,000					36,000
61	S	Water Master Plan		85,000					85,000
62	S	Water System Model		125,000					125,000
63	S	Water Softening/Lake Michigan Water Supply Study		45,000					45,000
64	S	Water Rate Study			30,000				30,000
65	S	Sustainable Source Water Assessment			30,000				30,000
66	S	Source Water Protection Plan				30,000			30,000
67	G	Lead Water Service Line Replacement		4,500,000	4,500,000	4,500,000			13,500,000
67	G	Lead Water Service Line Replacement - SRF Reimbursement		(4,500,000)	(4,500,000)	(4,500,000)			(13,500,000)
68	I	**Hart Road & Main Street Watermain**	**INF**	**825,000**					825,000
69	I	Iron Filtration System Replacement			160,000	1,840,000			2,000,000
70	I	Lake Zurich Road Watermain Project		17,500	192,500				210,000
71	I	Roslyn Road Watermain Project		15,000	165,000				180,000
72	I	Lageschulte Street Watermain Project			27,500	302,500			330,000
73	I	N. Cook Street Watermain Project			10,000	110,000			120,000
74	I	Lincoln Avenue Watermain Project				32,500	357,500		390,000
75	I	Hart Road and Route 14 Northwest Watermain Loop					65,000	715,000	780,000
			Subtotal	2,663,500	1,770,000	3,330,000	627,500	780,000	9,171,000
76		**Sanitary Sewer & Wastewater Facility/System Improvements**							
77	M	**Sanitary System replacements/repairs**	**INF**	**10,000**	10,000	10,000	10,000	10,000	50,000
78	M	**Inflow/Infiltration replacements/repairs**	**INF**	**50,000**	50,000	50,000	50,000	50,000	250,000
79	M	**WWTP Tuckpointing**	**INF**	**35,000**					35,000
79	M	**WWTP Maintenance Building Tuckpointing**	**INF**	**15,000**					15,000
80	M	**WWTP Phosphorus Building**	**INF**	**100,000**					100,000
81	M	WWTP Lab Improvements			10,000	10,000	10,000	10,000	40,000
82	S	Inflow/Infiltration Assessment		20,000	30,000	42,000	42,000	35,000	169,000
83	S	Televise, Clean & Inspect Sewer Lines and Update GIS Data		270,000	360,000	270,000	270,000	220,000	1,390,000
84	S	**WWTP Condition Assessment Study**	**FP**	**35,000**					35,000
85	S	Sewer Rater Study			30,000				30,000
86	I	Lift Stations (12 Total)		25,000	125,000	105,000	970,000	100,000	1,325,000
87	I	WWTP Control Building Replacement		325,000	5,410,000				5,735,000
88	I	Sanitary Sewer Main Lining Project			85,000	935,000			1,020,000
			Subtotal	885,000	6,110,000	1,422,000	1,352,000	425,000	10,194,000
89		**Vehicles and Equipment**							
90	M	Police Operating Equipment		115,000	115,000	115,000	115,000	115,000	575,000
91	M	**Fire Operating Equipment**	**C/C**	**171,000**	117,000	50,000	50,000	50,000	438,000
92	M	Public Works Operating Equipment		46,000	28,000	38,000	21,000	80,000	213,000
93	M	Technology Equipment		187,000	277,000	285,000	105,000	312,000	1,166,000
93	M	**Software Purchases**	**C/C**	**60,000**	45,000	45,000	45,000	45,000	240,000
94	M	Vehicles		450,000	852,000	709,000	890,000	871,000	3,772,000
94	M	**Vehicles (2021)**	**C/C**	**345,000**					345,000
			Subtotal	1,374,000	1,434,000	1,242,000	1,226,000	1,473,000	6,749,000
		Year Totals		**11,615,000**	**18,331,000**	**12,555,500**	**35,284,500**	**11,477,000**	**89,263,000**

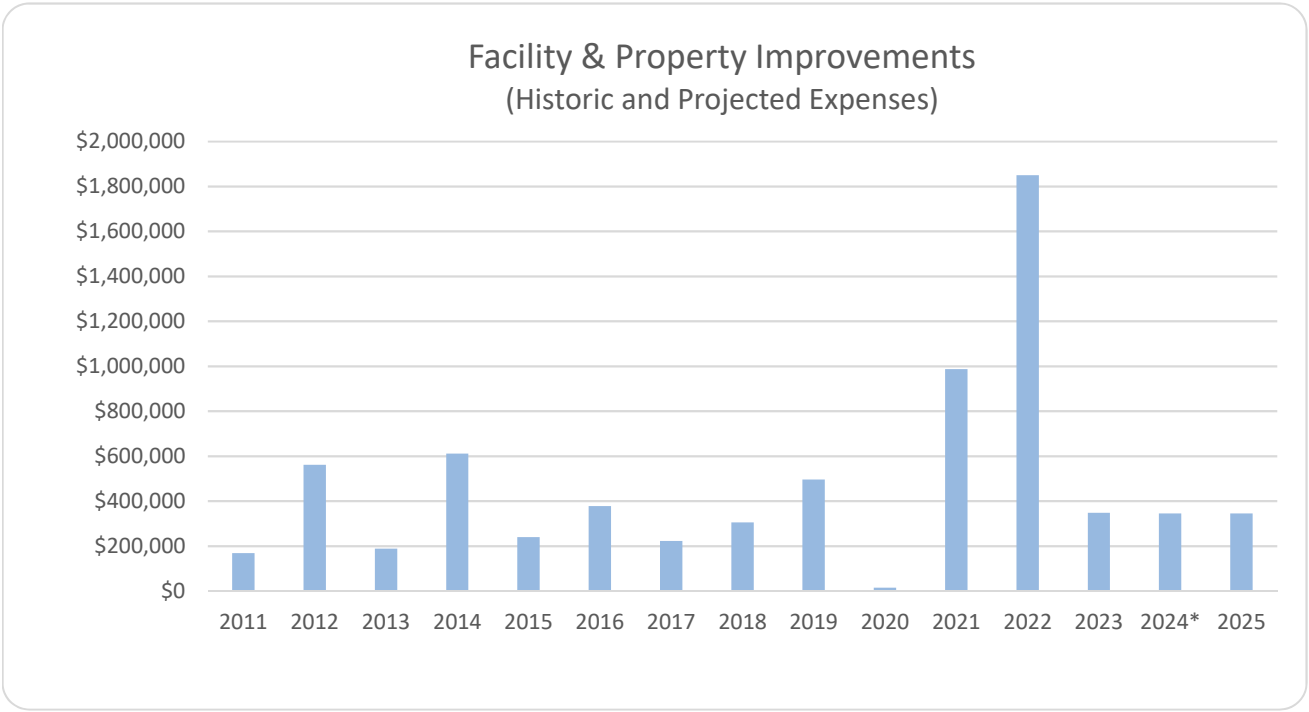
	2021 Pre-Reimbursement	2021 Post-Reimbursement
2021 General Fund	**745,500**	**700,500**
2021 Underpass	**2,600,000**	**800,000**
2021 Water/Sewer Fund	**1,235,000**	**1,235,000**
2021 Parking Fund	**2,320,000**	**650,000**
Budgeted (2021)	**6,900,500**	**3,385,500**

Type	
M	**Maintenance: Maintenance necessary for Safety/Code Requirements**
S	**Study: Study to provide data and basis for long range planning**
G	**Grant Project: Projects with or contenders for Grant Funding**
I	**Improvement: Repair or replacement to reduce maintenance needs**
B	**Beautification: Projects contributing to the character of the Village**

Strategic Plan Alignment
C/C : Community Character
INF : Infrastructure Management and Improvements
ED : Economic Development
FP : Financial Planning

Facility and Property Improvements

To ensure that all Village facilities and properties remain safe and code compliant and that Village services can be responsibly and adequately provided, facility and property improvements are required. This category includes studies to assist in identifying Village facility needs, HVAC repairs and replacements, and parkway tree removals and installations. Annual maintenance work within this category is necessary to maintain the facilities the Village currently owns and operates. Other included projects such as tree replacements and seasonal decorations contribute to the beautification and character of the Village. Continuing to evaluate how Village facilities serve Village needs will allow service levels to be proactively maintained and improved.



Financial Impact

	2011	2012	2013	2014	2015	
Historical	$168,098	$560,906	$188,789	$611,123	$240,113	
	2016	**2017**	**2018**	**2019**	**2020**	**Historical**
Historical	$378,063	$222,363	$304,556	$495,988	$14,170	$3,184,169
	2021	**2022**	**2023**	**2024***	**2025**	**Short Term**
5-Year	$987,000	$1,850,000	$347,500	$345,000	$345,000	$3,874,500

***20M For PW Facility projected in 2024 not included.**

PSF Hot Water Heater Installation

Project Category	Facility & Property Improvements
Useful Life	15 Years
Project Type	Maintenance
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2019
Design Work	N/A
Project Work	2021
Reoccurance	15 Years
Last Deferred	2020 - $10,000
Fund	Facility Improvement
Account(s)	20-600

Location

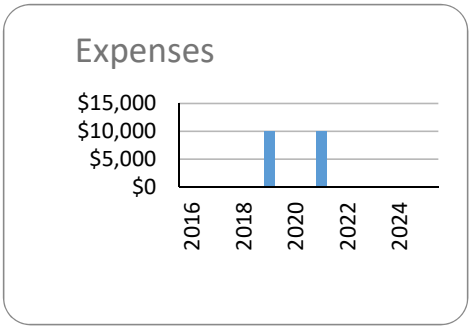
Public Safety Facility

Issue

One of two hot water heaters was replaced in 2019, and the second heater was deferred. The remaining heater is past its useful life and is in need of replacement.

Solution

Replace the second hot water heater.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$10,000		$10,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$10,000					$10,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$0	$0	$20,000	$20,000	$10,000	$30,000

VH Improvements

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Maintenance
User Department	Village Hall
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Facility Improvement
Account(s)	20-600

Location

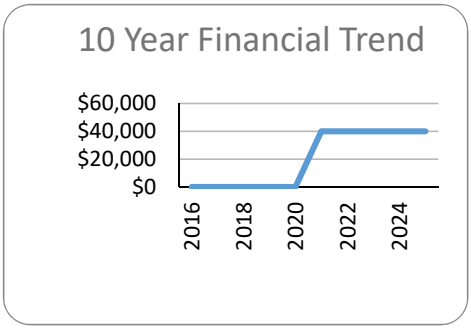
Village Hall

Issue

The Village Hall Building requires annual maintenance. 5-Year work includes restroom and kitchen facility improvements.

Solution

Install new plumbing fixtures, tile, counters, and cabinets throughout the various restroom and kitchen facilities. This work is proposed to be phased to improve approximately one facility per year.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000	$40,000	$40,000	$40,000	$40,000	$200,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$200,000	$200,000	$200,000	$600,000	$200,000	$800,000

PSF Improvements

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Maintenance
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Facility Improvement
Account(s)	20-600

Location

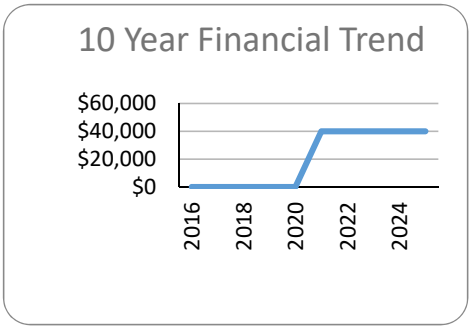
Public Safety Facility

Issue

The Public Safety Facility requires annual maintenance. 5-Year work includes restroom, locker room, and kitchen facility improvements.

Solution

Install new plumbing fixtures, tile, counters, and cabinets throughout the various restroom and kitchen facilities. This work is proposed to be phased to improve approximately one facility per year.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000	$40,000	$40,000	$40,000	$40,000	$200,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$200,000	$200,000	$200,000	$600,000	$200,000	$800,000

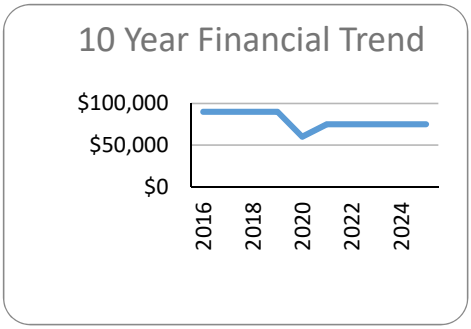
Removal of Trees from Village Properties

Project Category	Facility & Property Improvements
Useful Life	N/A
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$60,000
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Property Improvement
Account(s)	20-610

Location Village Right-of-Way

Issue Village owned trees require maintenance. Dead or diseased trees require removal.

Solution Remove dead and diseased trees to provide a safe environment for the public and maintain a healthy urban canopy.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$90,000	$90,000	$90,000	$90,000	$60,000	$420,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$75,000	$75,000	$75,000	$75,000	$75,000	$375,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$375,000	$375,000	$375,000	$1,125,000	$375,000	$1,500,000

Train (Metra) Station Roof

Project Category	Facility & Property Improvements
Useful Life	30 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	2021
Reoccurance	30 Years
Fund	Facility Improvement
Account(s)	20-600

Location

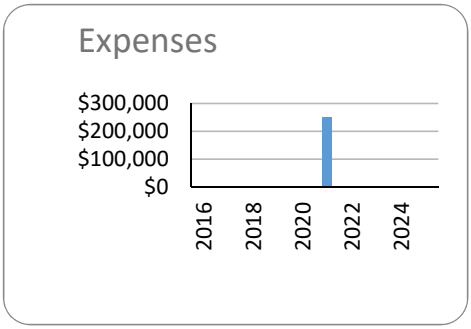
Train (Metra) Station

Issue

The existing shake roof is rotted and the shingles are falling off during poor weather events.

Solution

Replace the roof before water damage occurs resulting in higher maintenance costs.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$250,000					$250,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$250,000	$250,000

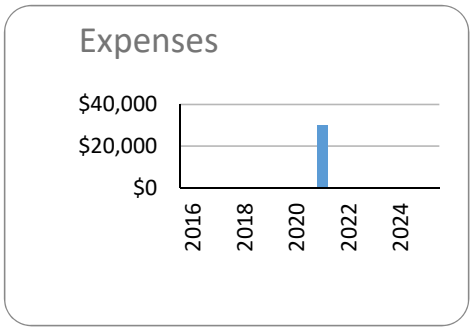
PSF Jail Cell Floor Drains

Project Category	Facility & Property Improvements
Useful Life	50 Years
Project Type	Maintenance
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	2021
Reoccurance	50 Years
Fund	Facility Maintenance
Account(s)	20-600

Location Public Safety Facility

Issue The floor drains in the jail cells have failed resulting in damage to the floors.

Solution Replace the floor drains and surrounding concrete areas to provide a safe and clean environment.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$30,000					$30,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$30,000	$30,000

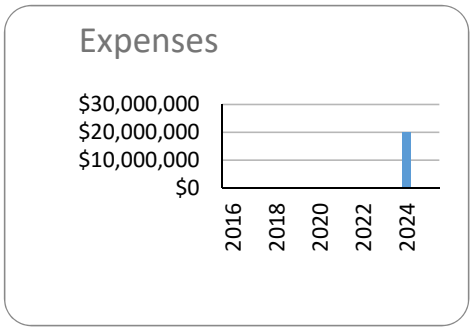
PW New Facility Study, Design & Construction

Project Category	Facility & Property Improvements
Useful Life	50 Years
Project Type	Study/Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2019
Design Work	2021
Project Work	2024
Reoccurance	50 Years
Last Deferred	2019
Fund	Facility Improvement
Account(s)	20-600

Location Public Works Building

Issue The existing Public Works Building was built in 1963 and last updated in the 1980's. Since then, the scope of services and facility needs of Public Works has increased. Equipment and material used by Public Works is currently stored outside resulting in shorter lifespans. There has been significant deterioration of the facility since the last major improvement.

Solution Build a new Public Works Building that is larger and meets not only the current demands of the Village, but can be expanded or adapted to meet future demands.



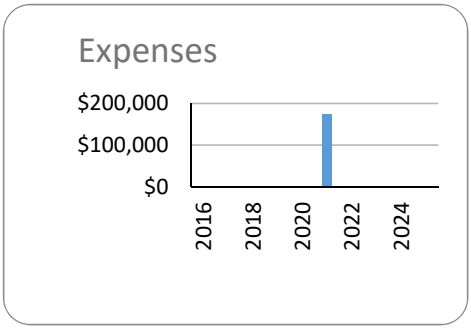
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$150,000	$0	$150,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$50,000	$250,000	$0	$20,000,000		$20,300,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$20,300,000	$20,300,000

VH Carpet Replacement

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Improvement
User Department	Village Hall
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2018
Design Work	N/A
Project Work	2021
Reoccurance	20 Years
Last Deferred	2020 ($70,000)
Fund	Facility Improvement
Account(s)	20-600

Location	Village Hall
Issue	The carpet is worn and stain removal is no longer effective with annual cleanings.
Solution	Replace carpet throughout all of Village Hall.



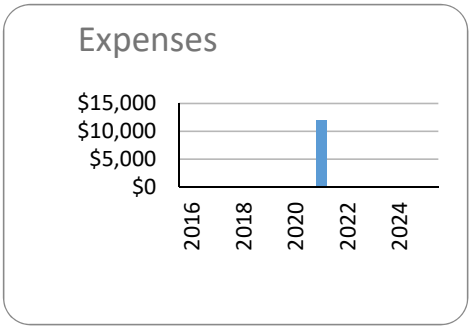
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$175,000					$175,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term			$175,000	$175,000	$175,000	$350,000

VH Windows

Project Category	Facility & Property Improvements
Useful Life	50 Years
Project Type	Improvement
User Department	VMO
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	2021
Reoccurance	50 Years
Fund	Facility Improvement
Account(s)	20-600

Location	Village Hall
Issue	A past water leak resulted in some of the windows at Village Hall to deteriorate faster than expected.
Solution	Replace the deteriorated windows before the damage can spread resulting in additional repair costs.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$12,000					$12,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$12,000	$12,000

PSF Carpet Replacement

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Improvement
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2019
Design Work	N/A
Project Work	2022
Reoccurance	20 Years
Fund	Facility Improvement
Account(s)	20-600

Location

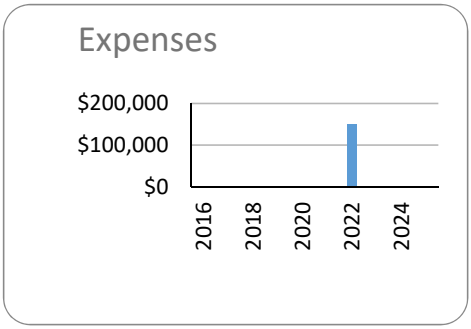
Public Safety Facility

Issue

The carpet is worn and stain removal is no longer effective with annual cleanings.

Solution

Replace carpet throughout all of the Public Safety Facility.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term		$150,000				$150,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$150,000	$150,000

VH Replace HVAC System & Roof

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Improvement
User Department	VH
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2018
Design Work	2021
Project Work	2022
Reoccurance	20 Years
Last Deferred	2019 ($300,000)
Fund	Facility Improvement
Account(s)	20-600

Location

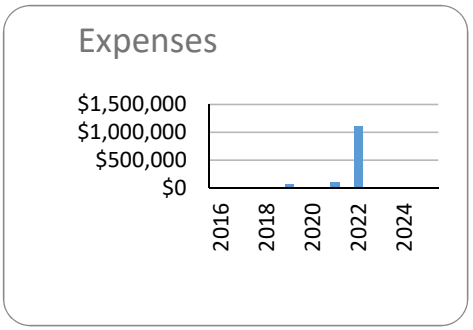
Village Hall

Issue

The existing HVAC system is failing and parts are no longer available. Maintaining consistent temperatures throughout the building is no longer possible.

Solution

Design and install new HVAC system. The Village has already purchased VAV boxes for this project.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$60,000		$60,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$100,000	$1,100,000				$1,200,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$1,200,000	$1,200,000

PSF HVAC System

Project Category	Facility & Property Improvements
Useful Life	20 Years
Project Type	Improvement
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2023
Design Work	N/A
Project Work	2023
Reoccurance	20 Years
Fund	Facility Improvement
Account(s)	20-600

Location

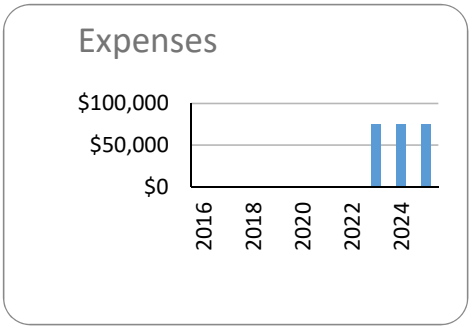
Public Safety Facility

Issue

The air conditioning units have reached the end of their useful life.

Solution

Replace one third of the air conditioning units each year until all units are replaced.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term			$75,000	$75,000	$75,000	$225,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$75,000			$75,000	$225,000	$300,000

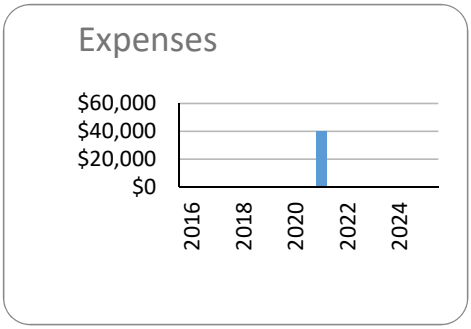
PSF Driveway Apron Repairs

Project Category	Facility & Property Improvements
Useful Life	50 Years
Project Type	Improvement
User Department	PSF
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	N/A
Project Work	2021
Reoccurance	50 Years
Last Deferred	2020 ($40,000)
Fund	Property Improvements
Account(s)	20-610

Location Public Safety Facility

Issue The existing concrete apron is failing resulting in large potholes and an uneven surface.

Solution Replace the portions of the failing apron with a new concrete apron.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000					$40,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$40,000	$40,000

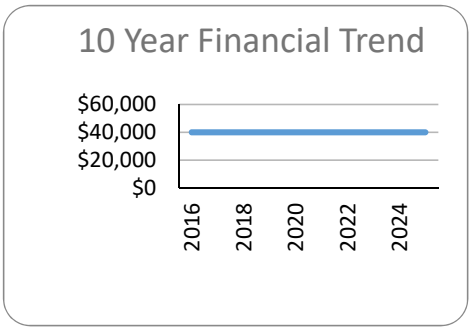
Replacement Trees for Village Properties

Project Category	Facility & Property Improvements
Useful Life	N/A
Project Type	Beautification
User Department	PW
Coordinator	PW
Current Budget	$40,000
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Property Improvement
Account(s)	20-610

Location Village Right-of-Way

Issue Due to the removal of dead or diseased trees, some sections of parkway look bare and the Village's tree canopy has been reduced. This problem was exasperated by the Emerald Ash Borer.

Solution Plant new trees to restore the tree canopy and maintain the character of the Village.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$40,000	$40,000	$40,000	$40,000	$40,000	$200,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$40,000	$40,000	$40,000	$40,000	$40,000	$200,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$200,000	$200,000	$200,000	$600,000	$200,000	$800,000

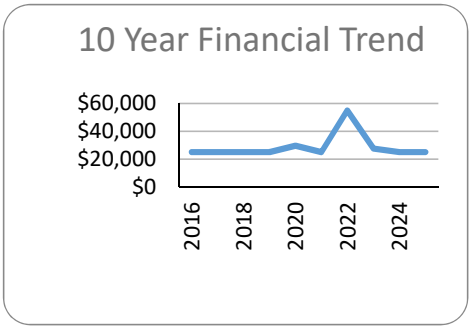
Seasonal Decorations

Project Category	Facility & Property Improvements
Useful Life	1-5 Years
Project Type	Beautification
User Department	PW
Coordinator	PW
Current Budget	$29,500
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Forestry
Account(s)	10-520

Location Village Right-of-Way

Issue Small town feel and the success of the downtown business district are priorities of the Village.

Solution Continue to install and improve flowers and decorations in high traffic and high visibility areas of the Village.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$25,000	$25,000	$25,000	$25,000	$29,500	$129,500
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$25,000	$55,000	$27,500	$25,000	$25,000	$157,500
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$175,000	$175,000	$175,000	$525,000	$157,500	$682,500

Holiday Lights

Project Category	Facility & Property Improvements
Useful Life	30 Years
Project Type	Beautification
User Department	PW
Coordinator	PW
Current Budget	$15,000
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annual
Fund	Property Improvements
Account(s)	20-610

Location

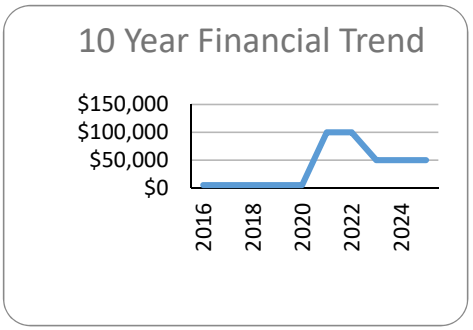
Village Right-of-Way and Buildings

Issue

Small town feel and the success of the downtown business district are priorities of the Village.

Solution

The installation and improvement of the quality and quantity of holiday lights will add to the charm of the Village while encouraging visitors to the downtown business district.

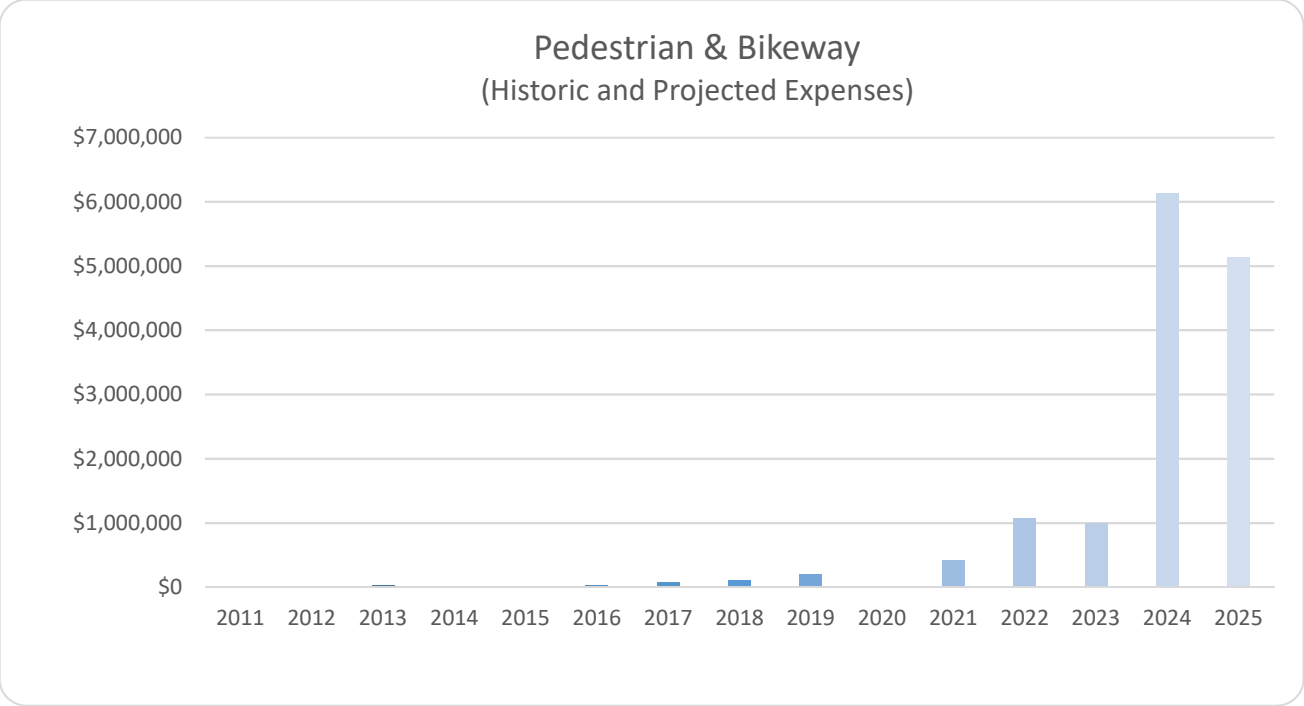


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$5,000	$5,000	$5,000	$5,000	$5,000	$25,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$100,000	$100,000	$50,000	$50,000	$50,000	$350,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$250,000	$350,000	$250,000	$850,000	$350,000	$1,200,000

Pedestrian & Bikeway Projects

Pedestrian and Bikeway connectivity has been identified as a priority of residents during the Village's Comprehensive Planning process. Projects in this category include studies which will identify connectivity and maintenance issues and assist in the identification and prioritization of projects and business district paver replacement which will assist in beautification and long term ease of maintenance in the Village Center. While annual maintenance work within this category is necessary to maintain safe traveled ways and improve the accessibility of the Village's infrastructure, the larger projects proposed are intended to increase connectivity, accessibility and the beautification and character of the Village.



Financial Impact

	2011	2012	2013	2014	2015	
Historical			$32,081			
	2016	2017	2018	2019	2020	Historical
Historical	$33,538	$76,641	$104,336	$203,489	$6,961	$457,047
	2021	2022	2023	2024	2025	Short Term
5-Year	$415,000	$1,080,000	$990,000	$6,130,000	$5,130,000	$13,745,000

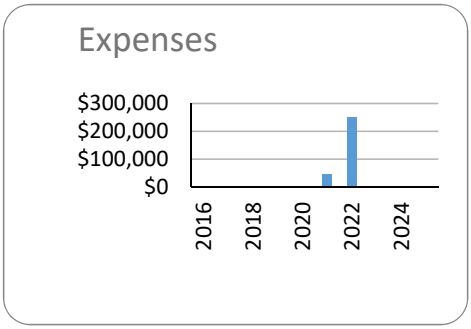
Lake-Cook Road Fox Point Bridge Approach Reconstruction

Project Category	Pedestrian & Bikeway
Useful Life	50 Years
Project Type	Maintenance
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2021
Project Work	2022
Reoccurance	50 Years
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Lake Cook Road at Flint Creek

Issue The Pedestrian bridge over Flint Creek on the south side of Lake Cook Road is nearing the end of its useful life.

Solution Complete an assessment of the existing structure and associated engineering plans for reconstruction of this pedestrian bridge and approach structure. Utilize these plans to reconstruct this bridge.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$45,000	$250,000				$295,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$295,000	$295,000

Sidewalk Improvements throughout Village

Project Category	Pedestrian & Bikeway
Useful Life	30 Years
Project Type	Maintenance
User Department	DS
Coordinator	DS/PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	Annual
Project Work	Annual
Reoccurance	Annual
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location

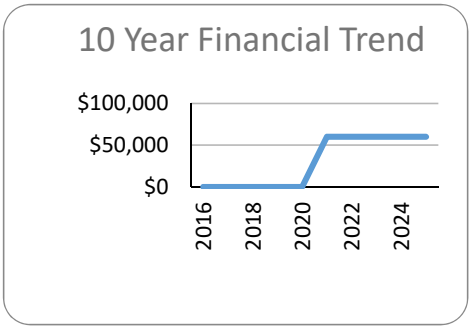
Village Right-of-Way

Issue

Existing Village sidewalk has aged and requires repair and replacement. Gaps exist in existing sidewalk and path connectivity throughout the Village.

Solution

Create an annual program to allow for repair and replacement of existing sidewalk and design and construction of new sidewalk/paths identified as priorities by the Bike and Pedestrian Connectivity Study and Assessment.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$60,000	$60,000	$60,000	$60,000	$60,000	$300,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$300,000	$300,000	$300,000	$900,000	$300,000	$1,200,000

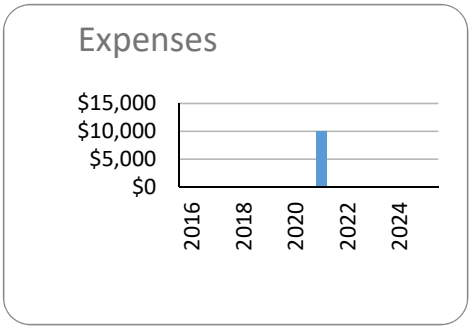
Sidewalk Trip Hazard Assessment

Project Category	Pedestrian & Bikeway
Useful Life	5 Years
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	$10,000
Initial Proposal Date	2020
Design Work	2021
Project Work	N/A
Reoccurance	5 Years
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Village Right-of-Way

Issue Village sidewalks have aged and may pose tripping and safety hazards.

Solution Assess all existing sidewalks for tripping and safety hazards and prioritize repair or replacement of these sidewalk sections.



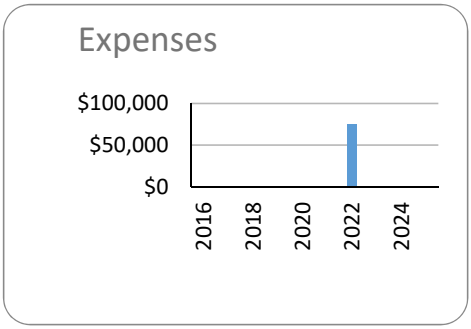
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$10,000					$10,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$10,000			$10,000	$10,000	$20,000

Village Bike & Pedestrian Connectivity Study and Assessment

Project Category	Pedestrian & Bikeway
Useful Life	10 Years
Project Type	Study
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2021
Project Work	N/A
Reoccurance	10 Years
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location	Village Right-of-Way
Issue	Improvements in Bike and Pedestrian facilities have been identified as a priority through 2020 Comprehensive Plan Neighborhood Meetings.
Solution	Commission a Bike and Pedestrian Connectivity Study for the Village in order to assess existing connectivity and identify priority areas for increasing connectivity beteween residential areas and Village destinations. These priorities will be broken into projects and can be incorporated into development requirements and future Village projects as well as utilized as a basis for grant applications.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term		$75,000				$75,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term		$75,000		$75,000	$75,000	$150,000

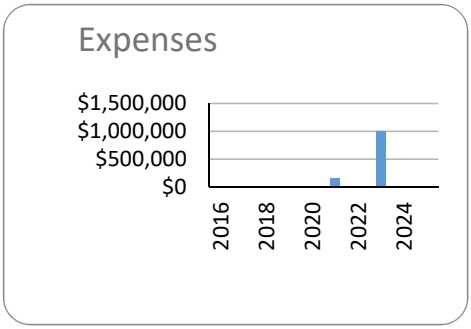
Hart Road/Main Street Multi-Use Path

Project Category	Pedestrian & Bikeway
Useful Life	30 Years
Project Type	Grant
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2021
Project Work	2022
Reoccurance	30 Years
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Hart Road & Main Street

Issue Pedestrian accomodations do not currently exist within Village right-of-way to connect Main Street east of the High School to Northwest Highway.

Solution The Village secured an ITEP grant to design and construct this connection. Phase I design work has been completed to confirm the feasibility of creating this multi-use path. Phase II design work and construction remain outstanding. The ITEP Grant should reimburse the Village approximately $685,000 for this remaining work.



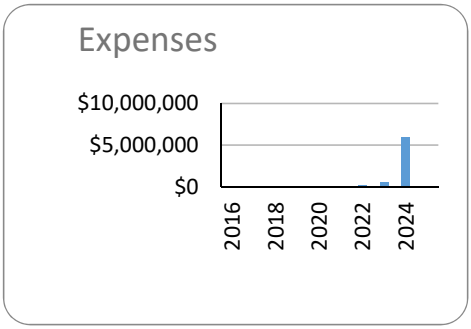
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$150,000		$1,000,000			$1,150,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$1,150,000	$1,150,000

Pedestrian Underpass at Main Street & CN Tracks

Project Category	Pedestrian & Bikeway
Useful Life	50 Years
Project Type	Grant
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2022-2023
Project Work	2024
Reoccurance	N/A
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location	Main Street @ CN Tracks
Issue	Main Street is a heavily utilized pedestrian corridor which is crossed by the CN Tracks. A grade separation would provide continuous pedestrian accomodations, regardless of train traffic.
Solution	Invest in design and construction of a pedestrian underpass at Main Street and the CN Tracks



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term		$150,000	$500,000	$6,000,000	$0	$6,650,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$6,650,000	$6,650,000

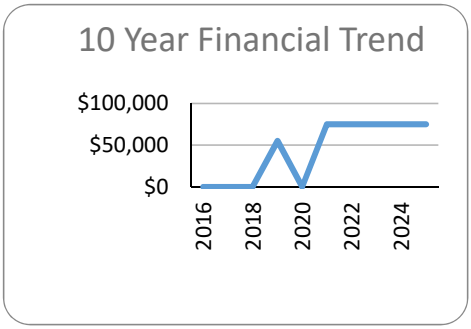
Annual ADA Improvements (Engineering & Construction)

Project Category	Pedestrian & Bikeway
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	Annual
Project Work	Annual
Reoccurance	Annual
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Village Right-of-Way

Issue Sections of existing Village sidewalk do not meet current Accessibility Regulations.

Solution Create an annual program to allow for design and construction of accessible pedestrian improvements throughout the Village.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$55,000		$55,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$75,000	$75,000	$75,000	$75,000	$75,000	$375,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$375,000	$375,000	$375,000	$1,125,000	$375,000	$1,500,000

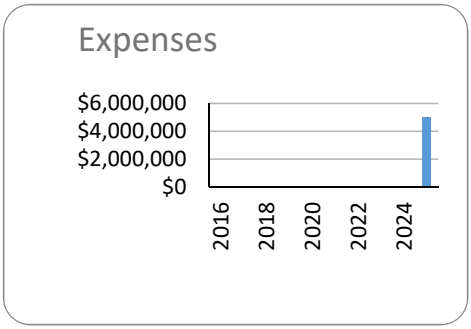
Central Business District Brick Paver Replacements

Project Category	Pedestrian & Bikeway
Useful Life	30 Years
Project Type	Beautification
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2025
Project Work	2025
Reoccurance	30 Years
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Central Business District

Issue Existing decorative paver edging within the Village Center has deteriorated.

Solution Limit decorative paving work to within the Central Business District. Improvements and development outside of this area will replace existing paver edging with concrete. Areas within the Central Business District to be replaced with a combination of clay bricks and concrete to extend the lifespan of the decorative edging and minimize maintenance.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term					$5,000,000	$5,000,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$5,000,000	$5,000,000

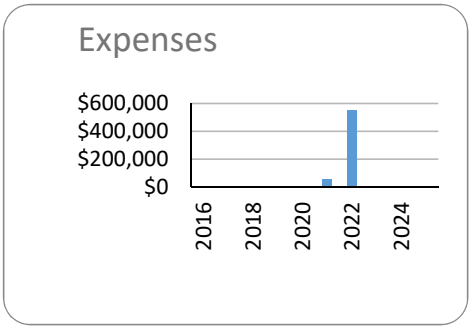
Downtown Speaker/Music System

Project Category	Pedestrian & Bikeway
Useful Life	20 Years
Project Type	Beautification
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2021
Project Work	2022
Reoccurance	N/A
Fund	Pedestrian & Bikeway
Account(s)	20-620

Location Central Business District

Issue Small town feel, walkability, and the success of the downtown business district are priorities of the Village.

Solution Invest in a downtown speaker/music system to provide additional ambiance and support community activities and events.

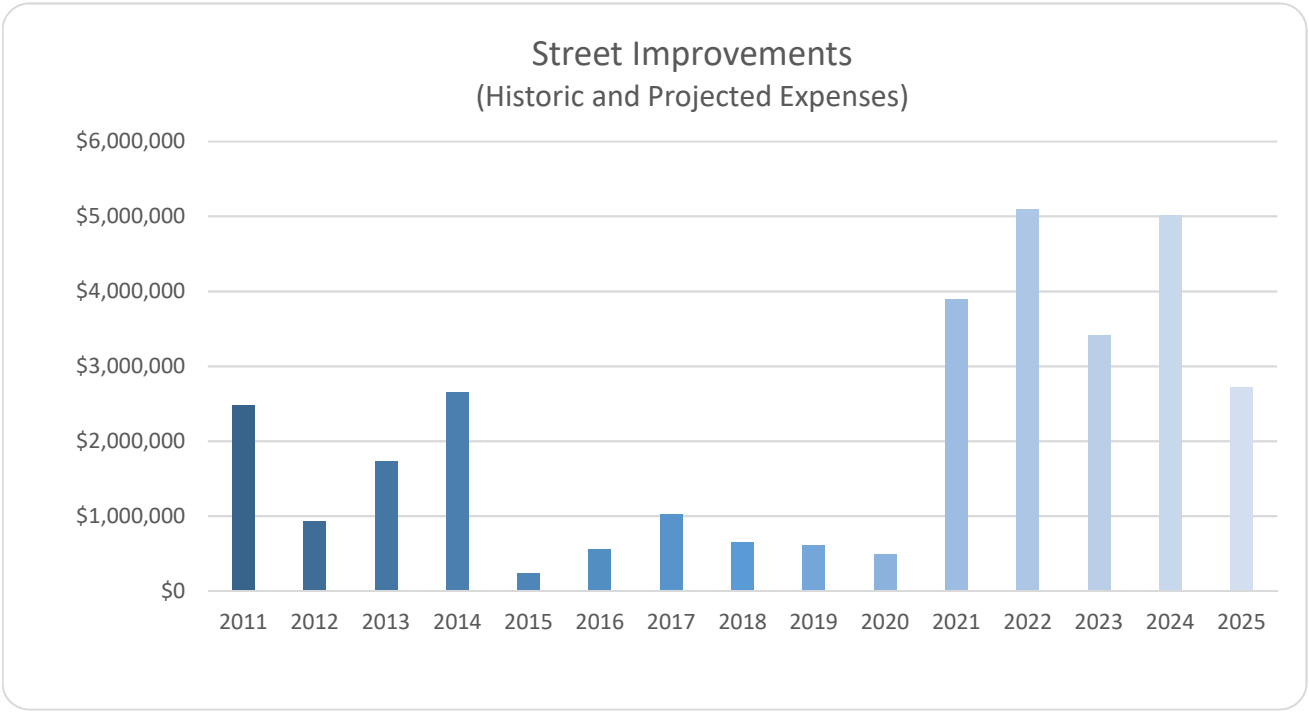


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$50,000	$550,000				$600,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$600,000	$600,000

Street Improvements

The Village owns and maintains 45 miles of streets. Maintaining these streets, alleyways, and right of way improvements is the Village's responsibility. Projects in this category include annual dollars to address maintenance concerns and grant matching dollars to complete the Village's Route 14 Underpass project. Annual maintenance work within this category is necessary to maintain the facilities the Village currently owns and operates. Investment in annual roadwork allows the Village to proactively address maintenance issues before they become more substantial roadway reconstruction projects. Street improvements are coordinated with utility repairs and replacements to ensure that Village dollars are best leveraged to complete all necessary improvements as part of a single project.



Financial Impact

	2011	2012	2013	2014	2015	
Historical	$2,476,143	$935,884	$1,738,695	$2,656,550	$237,246	
	2016	**2017**	**2018**	**2019**	**2020**	**Historical**
Historical	$560,352	$1,020,515	$657,563	$608,390	$492,804	$11,384,142
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
5-Year	$3,889,000	$5,094,000	$3,419,000	$5,019,000	$2,719,000	$20,140,000

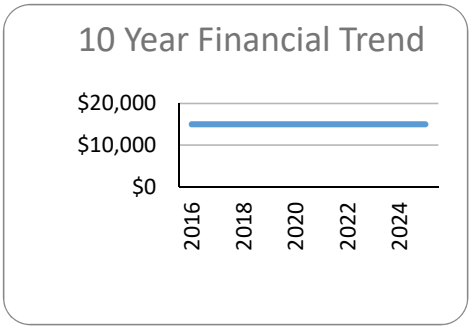
Annual Curb Maintenance

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	
Initial Proposal Date	N/A
Design Work	N/A
Project Work	2020
Reoccurance	Yearly
Fund	Street Improvements
Account(s)	20-650

Location Village Right-of-Way

Issue Village curbs require recurring maintenance.

Solution Village curbs and gutters are assessed annually and evaluated for necessary maintenance improvements.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$15,000	$15,000	$15,000	$15,000	$15,000	$75,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$15,000	$15,000	$15,000	$15,000	$15,000	$75,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$75,000	$75,000	$75,000	$225,000	$75,000	$300,000

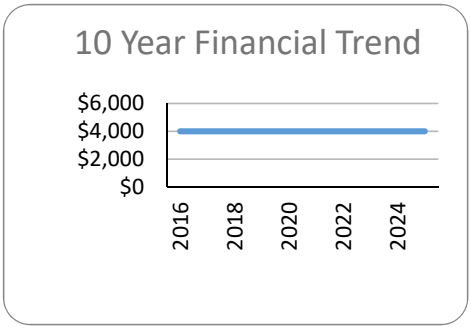
Annual Bridge Inspection and Reporting

Project Category	Street Improvements
Useful Life	N/A
Project Type	Maintenance
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	N/A
Design Work	N/A
Project Work	N/A
Reoccurance	Yearly
Fund	Street Improvements
Account(s)	20-650

Location Village Right-of-Way

Issue Village bridges require annual inspections and reporting to comply with State requirements.

Solution Village bridges are inspected and assessed annually by a qualified professional consultant.



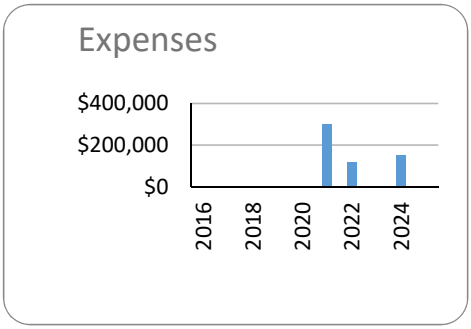
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$4,000	$4,000	$4,000	$4,000	$4,000	$20,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$4,000	$4,000	$4,000	$4,000	$4,000	$20,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$20,000	$20,000	$20,000	$60,000	$20,000	$80,000

Route 14 Underpass

Project Category	Street Improvements
Useful Life	50 Years
Project Type	Grant
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2008
Design Work	2021-2022
Project Work	2022-2024
Reoccurance	N/A
Fund	Various
Account(s)	Street & Utility Accts.

Location	Route 14 @ CN Tracks
Issue	Following acquisition of the EJ&E Line by Canadian National, increased train volume and length pose both safety and transportation issues within the Village. In order to alleviate these issues, a grade separation of Route 14 and the CN tracks is required.
Solution	A TIGER grant was secured to complete the Phase I design for this grade separation in 2014. Following award of a Shared Fund STP Grant in October 2019, Phase II Design and Phase III Construction are scheduled to be substantially completed by the end of 2024. $2,885,000 of these funds are anticipated to be reimbursed through the Shared Fund STP Grant



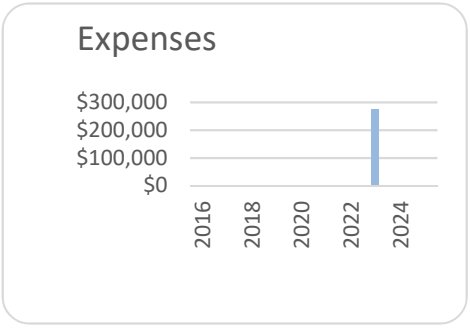
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$300,000	$120,000		$150,000		$570,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$570,000	$570,000

Paint Street Lights and Traffic Signals

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	
Initial Proposal Date	2020
Design Work	N/A
Project Work	2023
Reoccurance	20 Years
Fund	Street Improvements
Account(s)	20-650

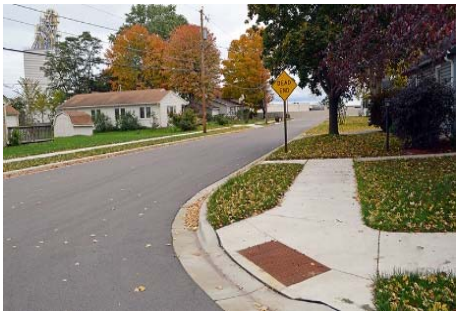
Location	Village Right-of-Way
Issue	While the street lights and traffic signals are in good shape, the paint has begun to deteriorate.
Solution	Paint the street lights and traffic signals with new black paint. This will improve the aesthetics of the Village as well as extend the life of the infrastructure.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term			$275,000			$275,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$275,000	$275,000

Annual Road Program

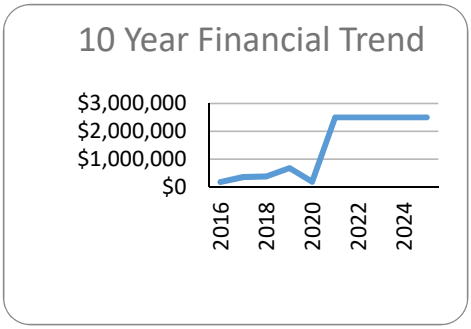


Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	$180,000
Initial Proposal Date	N/A
Design Work	N/A
Project Work	2020
Reoccurance	Annual
Last Deferred	2019 ($1,700,000)
Last Incurred	2019
Fund	Street Improvements
Account(s)	20-650

Location Village Right-of-Way

Issue Village streets require recurring maintenance.

Solution The annual street maintenance and rehabilitation program is covered in each year's CIP. The Village streets are assessed annually and evaluated for necessary maintenance improvements. In order to successfully maintain all Village streets on a 30 year life cycle, annual maintenance costs for pavement are anticipated at $2.5 Million per year.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$175,000	$350,000	$370,000	$675,000	$180,000	$1,750,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$2,500,000	$2,500,000	$2,500,000	$2,500,000	$2,500,000	$12,500,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$12,500,000	$12,500,000	$12,500,000	$37,500,000	$12,500,000	$50,000,000

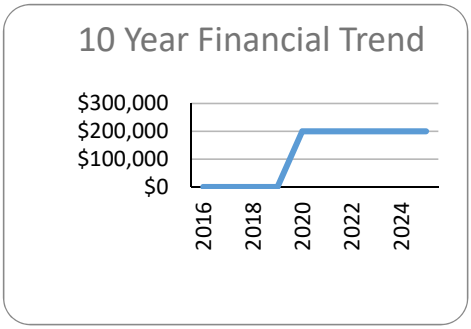
Annual Alley Program

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	N/A
Project Work	2020
Reoccurance	Annual
Fund	Street Improvements
Account(s)	20-650

Location Village Right-of-Way

Issue Village alleys require recurring maintenance.

Solution The annual alley maintenance and rehabilitation program is covered in each year's CIP. Village alleys are assessed annually and evaluated for necessary maintenance improvements.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$200,000	$200,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$200,000	$200,000	$200,000	$200,000	$200,000	$1,000,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$1,000,000	$1,000,000	$1,000,000	$3,000,000	$1,000,000	$4,000,000

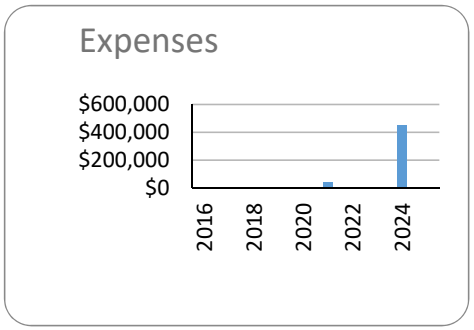
Highland Avenue (Hillside to South Street)

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2021
Project Work	2024
Reoccurance	30 Years
Fund	Street & Utility
Account(s)	20-650,670 & 50-680,700

Location Village Right-of-Way

Issue Highland Avenue requires utility replacement and roadway reconstruction between Hillside and South Street.

Solution Design and construct utility and roadway improvements for this section of Highland Avenue.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000			$450,000		$490,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$490,000	$490,000

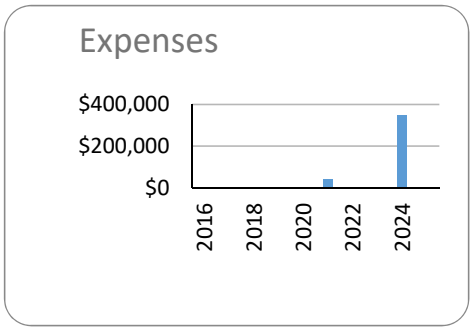
Cook Street (Hillside to Wisconsin)

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2021
Project Work	2024
Reoccurance	30 Years
Fund	Street & Utility
Account(s)	20-650,670 & 50-680,700

Location Village Right-of-Way

Issue Cook Street requires utility replacement and roadway reconstruction between Hillside and Wisconsin.

Solution Design and construct utility and roadway improvements for this section of Cook Street.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000			$350,000		$390,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$390,000	$390,000

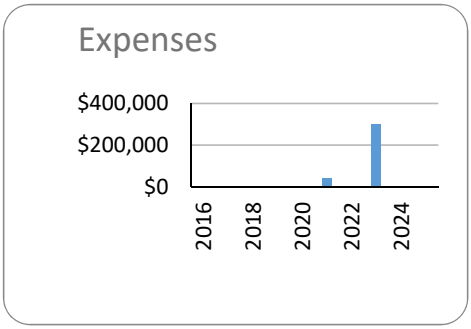
Lincoln Avenue (Lill to Dundee)

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2021
Project Work	2023
Reoccurance	30 Years
Fund	Street & Utility
Account(s)	20-650,670 & 50-680,700

Location Village Right-of-Way

Issue Lincoln Avenue requires utility replacement and roadway reconstruction between Lill and Dundee.

Solution Design and construct utility and roadway improvements for this section of Lincoln Avenue.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$40,000		$300,000			$340,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$340,000	$340,000

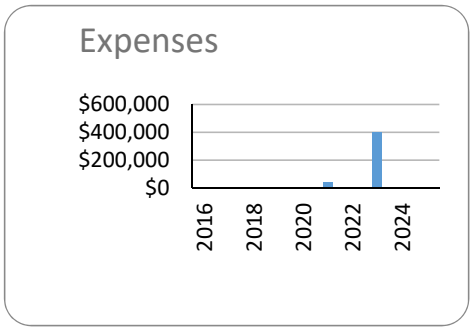
Applebee Street (Main to Harrison)

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2021
Project Work	2023
Reoccurance	30 Years
Fund	Street & Utility
Account(s)	20-650,670 & 50-680,700

Location Village Right-of-Way

Issue Applebee Street requires utility replacement and roadway reconstruction between Main and Harrison.

Solution Design and construct utility and roadway improvements for this section of Applebee Street.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$40,000		$400,000			$440,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$440,000	$440,000

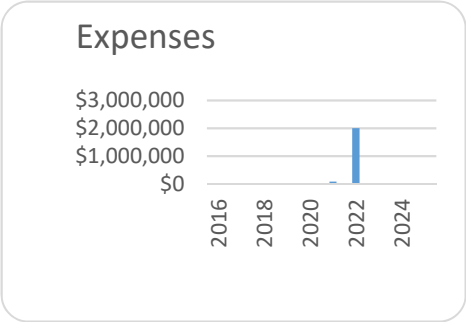
Grove Avenue (Russell to Hillside)

Project Category	Street Improvements
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2021
Project Work	2022
Reoccurance	30 Years
Fund	Street & Utility
Account(s)	20-650,670 & 50-680,700

Location Village Right-of-Way

Issue Grove Avenue requires utility replacement and roadway reconstruction between Russell and Hillside.

Solution Design and construct utility and roadway improvements for this section of Grove Avenue.

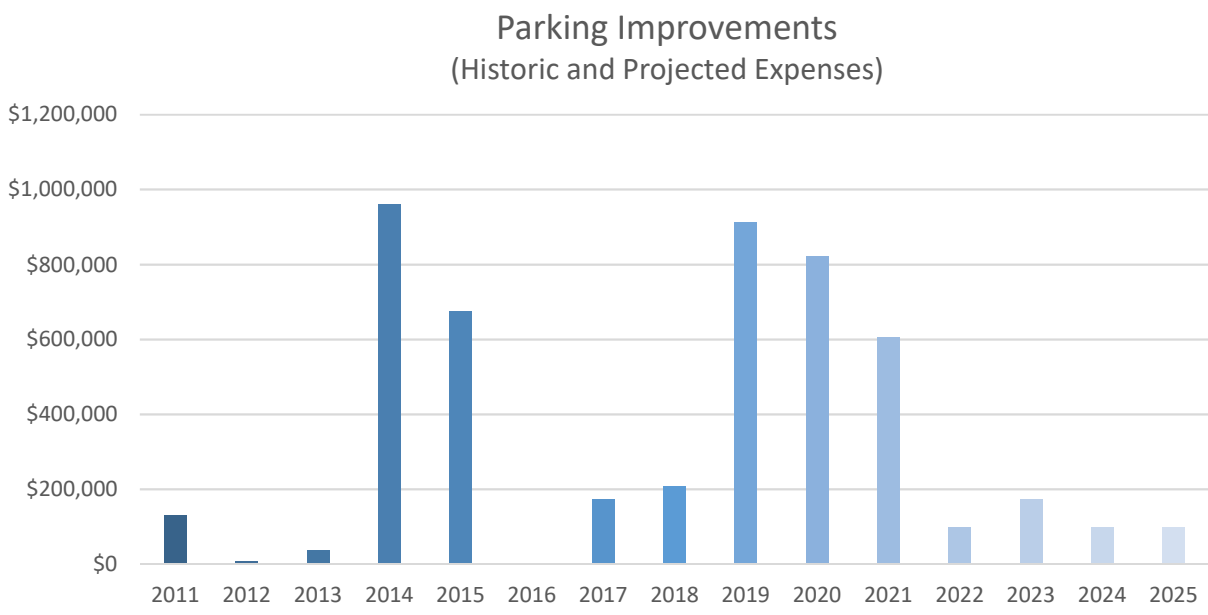


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$80,000	$2,000,000				$2,080,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$2,080,000	$2,080,000

Parking Improvements

The Village owns and maintains 24 Parking Lots which serve Village facilities, the Village Metra Station, employer and employee parking, and Village center shopper parking. Projects in this category include annual dollars to address maintenance concerns, engineering assessments and repairs, and studies to evaluate the Village's parking and transporation facilities and opportunities to improve traffic and parking in the Village. Annual maintenance work within this category is necessary to maintain the facilities the Village currently owns and operates. Investment in annual parking improvement work allows the Village to proactively address maintenance issues before they become more substantial parking lot reconstruction projects.



Financial Impact

	2011	2012	2013	2014	2015	
Historical	$131,998	$8,416	$38,436	$960,846	$674,327	
	2016	**2017**	**2018**	**2019**	**2020**	**Historical**
Historical		$173,366	$208,973	$912,084	$822,743	$3,931,189
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
5-Year	$605,000	$100,000	$175,000	$100,000	$100,000	$1,080,000

Annual Parking Lot Maintenance Program

Project Category	Parking
Useful Life	20 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	2020
Reoccurance	Yearly
Fund	Parking Improvements
Account(s)	20/70-660-XXXX

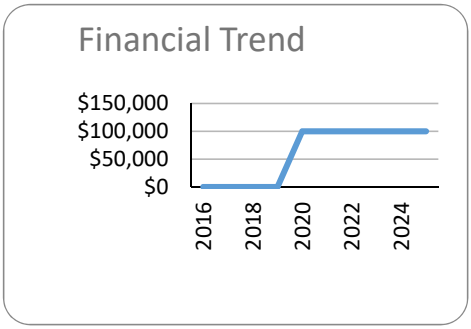
Location Village Parking Lots

Issue

Village parking lots require recurring maintenance.

Solution

The annual parking lot maintenance and rehabilitation program is covered in each year's CIP. Village parking lots are assessed annually and evaluated for necessary maintenance improvements.



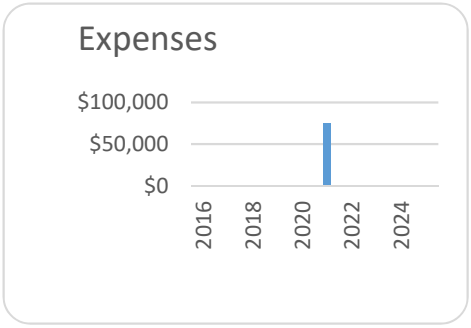
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$100,000	$100,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$100,000	$100,000	$100,000	$100,000	$100,000	$500,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$500,000	$500,000	$500,000	$1,500,000	$500,000	$2,000,000

Lot #2 Lighting, Guardrail and Pavement Repairs

Project Category	Parking
Useful Life	20 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	2020
Reoccurance	Yearly
Fund	Parking Improvements
Account(s)	20/70-660-XXXX

Location	South Commuter Lot #2
Issue	Lot #2 Lighting, Guardrail and Pavement areas require maintenance
Solution	Provide Lighting, Guardrail and Pavement improvements in Lot #2



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$75,000					$75,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$75,000	$75,000

Village Parking and Transportation Study

Project Category	Parking Improvements
Useful Life	10 Years
Project Type	Study
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2021
Project Work	N/A
Reoccurance	10 Years
Fund	Parking Improvements
Account(s)	20/70-660-XXXX

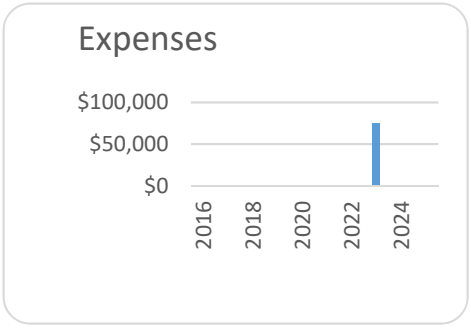
Location Village Right-of-Way & Parking Lots

Issue

Improvements in parking and transportation have been identified as a priority through 2020 Comprehensive Plan Neighborhood Meetings.

Solution

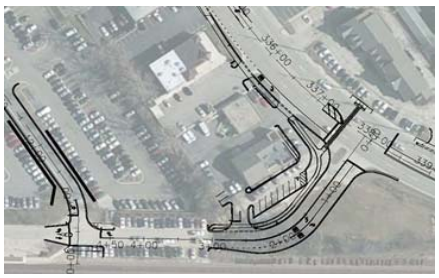
Commission a Parking and Transportation Study for the Village in order to assess existing facilities and identify priority areas for increasing parking options and reducing traffic. These priorities will be broken into projects and can be incorporated into development requirements and future Village projects as well as utilized as a basis for grant applications.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term			$75,000			$75,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term		$75,000		$75,000	$75,000	$150,000

North Commuter Lot Entrance Drive



Project Category	Parking
Useful Life	30 Years
Project Type	Grant
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	Ongoing
Design Work	2020
Project Work	2021
Reoccurance	
Fund	Parking Improvements
Account(s)	20/70-660-XXXX

Location

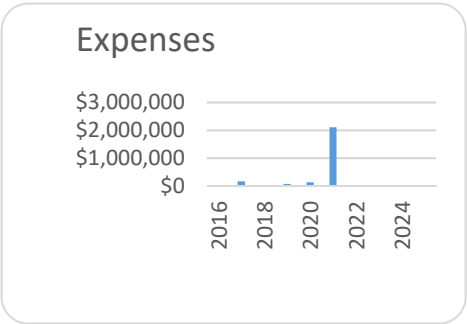
Route 14, North Commuter Lot

Issue

There is consistant heavy traffic when entering and exiting the North Commuter Parking Lot in morning and evening rush hour as there is no signalized access.

Solution

Construct a new signalized access to the North Commuter Entrance Drive on Route 14. $1,670,000 of these funds will be reimbursed through an STP grant.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical		$156,000	$19,000	$58,000	$125,000	$358,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$2,100,000					$2,100,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$2,100,000	$2,100,000

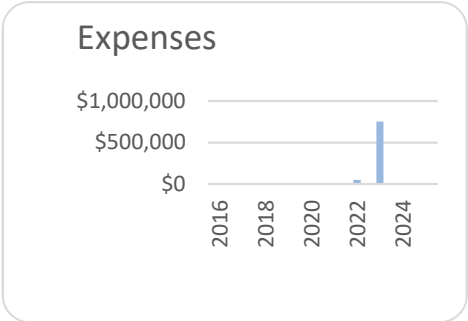
Lot 13 Improvements

Project Category	Parking
Useful Life	30 Years
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	2022
Project Work	2023
Reoccurance	30 Years
Fund	Parking Improvements
Account(s)	20/70-660-XXXX

Location Lot 13 (Main & Applebee)

Issue Lot 13 pavement is in disrepair and the lot is not compliant with ADA standards.

Solution Utilize preliminary engineering design to move forward with rehabilitation of this lot or reassess use of this parcel.

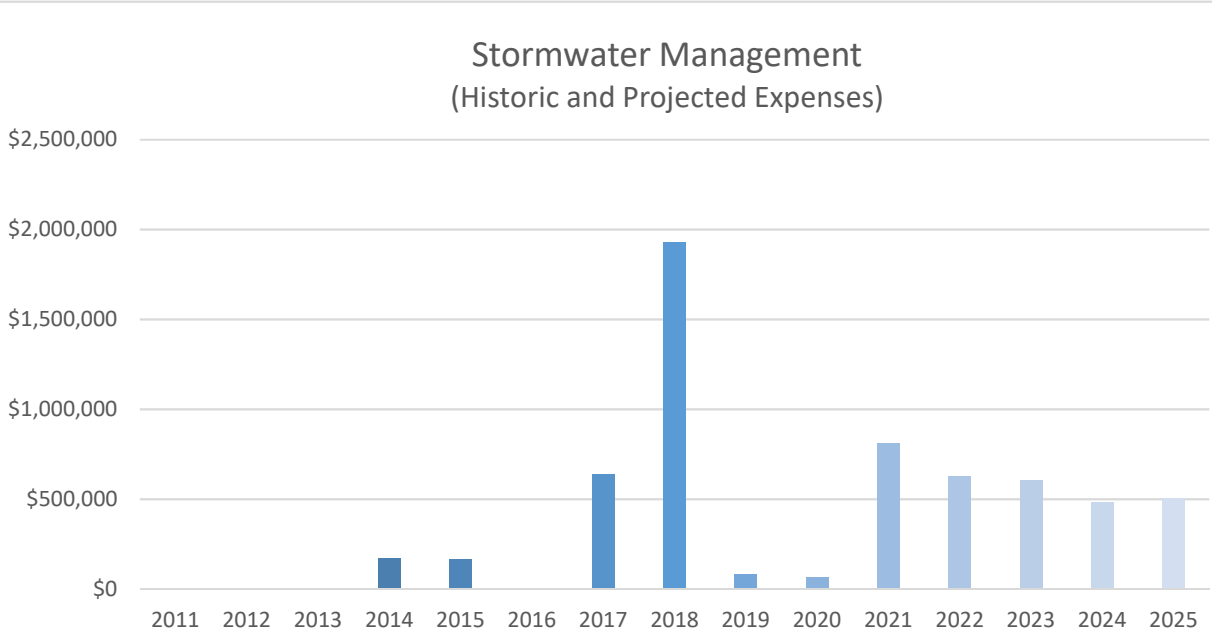


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical			$6,500	$3,000		$9,500
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term		$50,000	$750,000			$800,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$800,000	$800,000

Stormwater Management Improvements

The Village owns and maintains storm sewer and stormwater detention basins throughout the Village. Projects in this category include annual dollars to complete maintenance work, cleaning and GIS mapping of existing infrastructure, parkway and roadway drainage improvements, and cost share programs which allow residents to leverage Village funds to address neighborhood drainage concerns. Annual maintenance work within this category is necessary to maintain the facilities the Village currently owns and operates. Investment in annual drainage improvements and cost share projects allows the Village to proactively address drainage issues, provide flooding relief, and mitigate safety concerns.



Financial Impact

	2011	2012	2013	2014	2015	
Historical				$174,609	$167,452	
	2016	**2017**	**2018**	**2019**	**2020**	**Historical**
Historical	$1,849	$638,434	$1,930,381	$83,029	$64,644	$2,718,337
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
5-Year	$811,000	$628,000	$605,000	$485,000	$505,000	$3,034,000

Storm Basin Maintenance (5 Areas)

Project Category	Stormwater
Useful Life	N/A
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$13,000
Initial Proposal Date	N/A
Design Work	Yearly
Project Work	Yearly
Reoccurance	Annual
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location

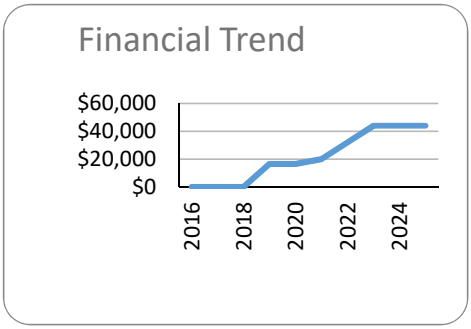
5 Native Plant Areas and Flint Creek

Issue

Native plants require annual maintenance to ensure they function as intended and avoid the infringement of invasive species.

Solution

Perform annual native plant maintenance for Public Safety Basin, Kilgobbin Basin, Miller Park Basin, Cornell Basin, IL Rte 14, and Flint Creek Waterway from Langendorf Park to Hart Road. The School District and the Park District have entered into agreements with the Village to pay for their portion (approximately $5,000 in total) of maintenance of Flint Creek.



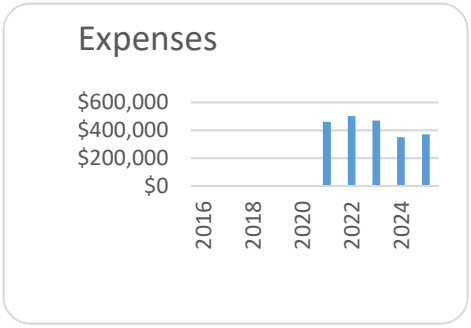
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$16,500	$16,500	$33,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$20,000	$32,000	$44,000	$44,000	$44,000	$184,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$220,000	$220,000	$220,000	$660,000	$184,000	$844,000

Televise, Clean, Inspect, GIS Collection and Mapping of Storm Sewer

Project Category	Stormwater
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	Yearly
Reoccurance	Annual
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location	Storm Sewers
Issue	The Village has incomplete storm system maps for manholes, inlets, catch basins, pipe networks, and outfall structures. Also, the storm sewers are only cleaned on a reactive basis which can result in storm sewer backups.
Solution	Divide the Village into five sub areas and begin the process of collecting the necessary GIS information while performing maintenance on the stormwater system.



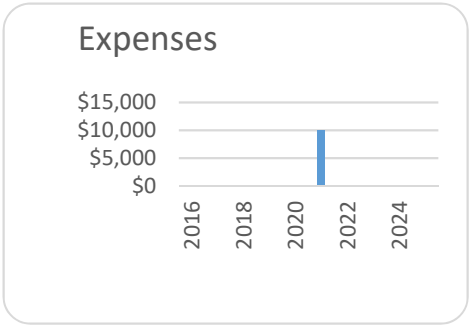
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$460,000	$500,000	$470,000	$350,000	$370,000	$2,150,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$1,370,000	$1,250,000	$1,250,000	$3,870,000	$2,150,000	$6,020,000

Storm Basin Assessment and Maintenance Plan (Cornell Basin)

Project Category	Stormwater
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location	Cornell Stormwater Basin
Issue	The Cornell storm water basin has become overgrown with trees and other invasive plant species requiring a maintenance plan.
Solution	Evaluate the Cornell storm water basin (located on the west side of Barrington Road across from Cornell Avenue) and establish a plan for annual maintenance to remove invasive plants and restore the basin to its original functionality.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$10,000					$10,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term						$0

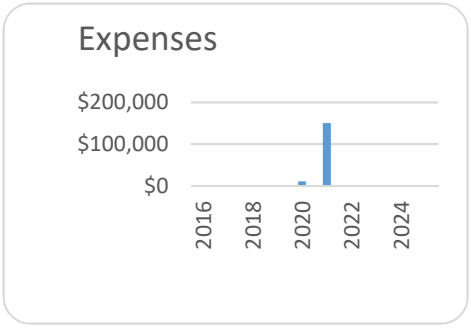
Providence Road Parkway Drainage

Project Category	Stormwater
Useful Life	N/A
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	$10,000
Initial Proposal Date	2019
Design Work	2020
Project Work	2021
Reoccurance	N/A
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location: Providence Road

Issue: Flooding and Sidewalk icing issues exist within the south parkway of Providence Road between Hough Street and Lake Zurich Road.

Solution: Survey the Providence Road parkway, design a solution incorporating grading, sidewalk improvements and storm sewer improvements to alleviate the existing ponding and icing issues and construct the improvements.



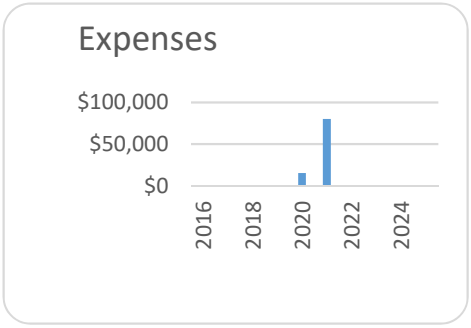
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$10,000	$10,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$150,000					$150,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$150,000	$150,000

Cold Spring Road Drainage Investigation

Project Category	Stormwater
Useful Life	N/A
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	$15,000
Initial Proposal Date	2019
Design Work	2020
Project Work	2021
Reoccurance	N/A
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location	Cold Spring Road
Issue	Drainage and Icing issues are present in the southeast area of Cold Spring Road.
Solution	Survey Cold Spring Road, design and construct a solution to alleviate the existing ponding and icing issues.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$15,000	$15,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$80,000					$80,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$80,000	$80,000

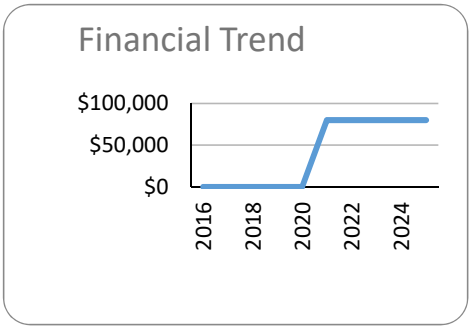
Annual Stormwater Program

Project Category	Stormwater
Useful Life	N/A
Project Type	Improvement
User Department	DS
Coordinator	DS
Current Budget	
Initial Proposal Date	2020
Design Work	Yearly
Project Work	Yearly
Reoccurance	Annual
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location Village Rights-of-Way

Issue Flooding issues exist within Village Rights-of-Way

Solution Annually survey Village rights-of-way which have historic flooding or icing issues and design and construct improvements to alleviate these drainage issues.



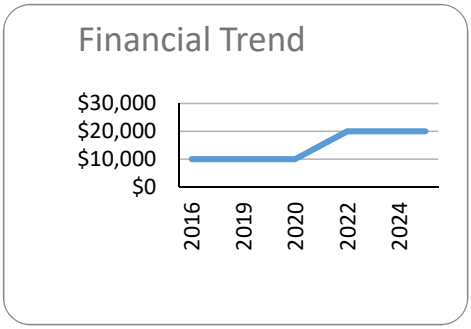
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$80,000	$80,000	$80,000	$80,000	$80,000	$400,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$400,000	$400,000	$400,000	$1,200,000	$400,000	$1,600,000

Neighborhood Drainage Cost Share Program

Project Category	Stormwater
Useful Life	N/A
Project Type	Beautification
User Department	DS
Coordinator	DS
Current Budget	N/A
Initial Proposal Date	1996
Design Work	Yearly
Project Work	Yearly
Reoccurance	Annual
Fund	Stormwater
Account(s)	20/50-670-XXXX

Location	Various Locations
Issue	Flooding/Drainage problems exist on private property within the Village.
Solution	Ordinance 96-1861 established a policy for the resolution of certain neighborhood drainage problems meeting specific criteria and provides for Village financial participation of 50%, not to exceed $10,000

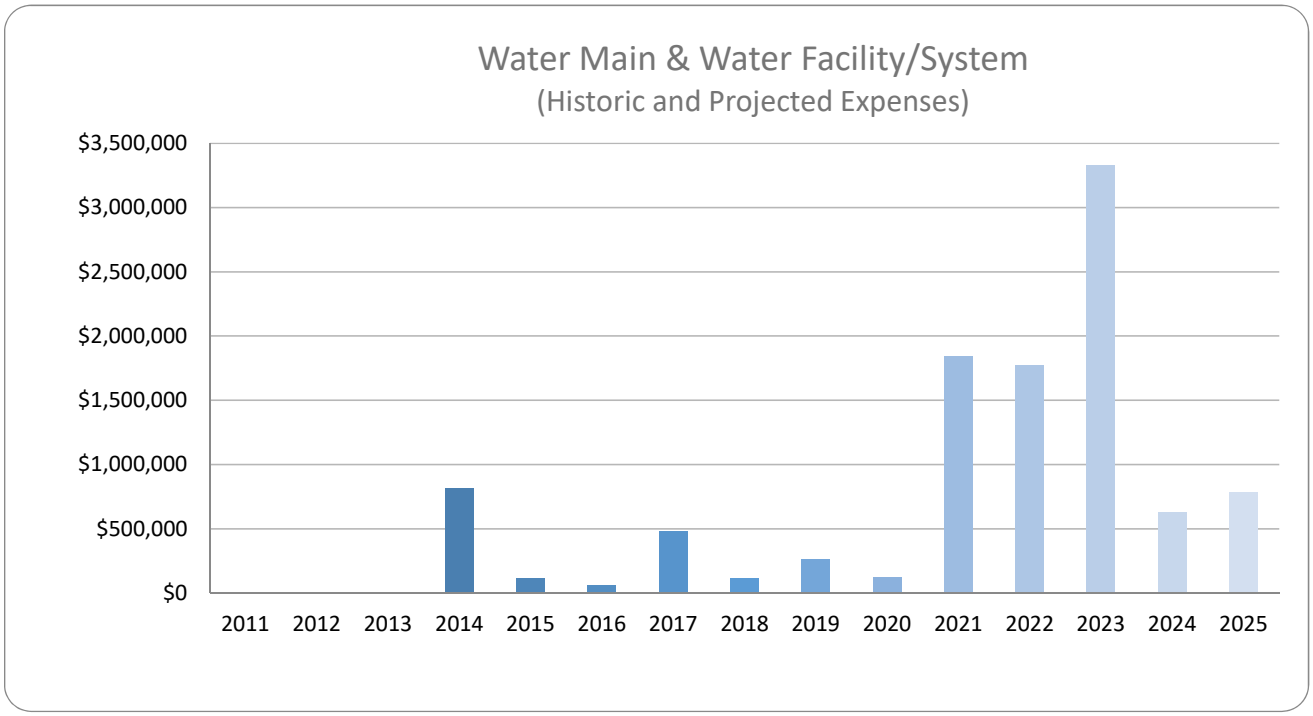


Financial Impact

	2016	2017	2019	2019	2020	Historical
Historical	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$15,000	$20,000	$20,000	$20,000	$20,000	$95,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$100,000	$100,000	$100,000	$300,000	$95,000	$395,000

Water Main & Water Facility/System Improvements

The Village owns and maintains wells, towers, pumping stations, filtration systems and transmission mains to provide water to the Village and surrounding areas. Projects in this category include annual dollars to complete maintenance work for these facilities, studies to model the system, provide maintenance and emergency plans, evaluate water rates and water sources and water main and water service replacement projects. Annual maintenance work is necessary to maintain Village facilities and water supply services. Investment in studies allows the Village to proactively plan for facility repair and replacement, ensure that water sources are thoughtfully utilized, and establish water rates which cover the cost of operating and maintaining the Village system.



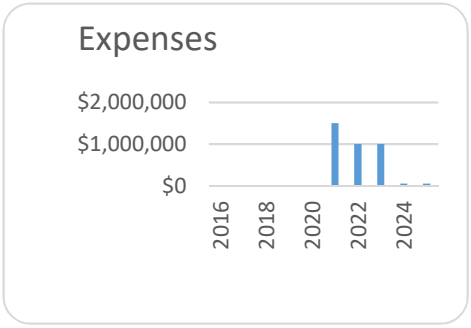
Financial Impact

	2011	2012	2013	2014	2015	
Historical				$810,350	$113,777	
	2016	2017	2018	2019	2020	Historical
Historical	$58,571	$474,676	$113,080	$262,889	$121,435	$1,030,651
	2021	2022	2023	2024	2025	Short Term
5-Year	$1,838,500	$1,770,000	$3,330,000	$627,500	$780,000	$8,346,000

Water Meter Replacement and Software Upgrade

Project Category	Water Distribution
Useful Life	20 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	2021
Project Work	2021-2023
Reoccurance	20 Years
Fund	Water Facility
Account(s)	50-690

Location	At existing water meters
Issue	The existing 20+ year old meter reading system is at the end of life for batteries. Costly maintenance/upgrade issues are occuring.
Solution	Select the best provider to install new meters and automated read systems both for now and into the future.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$1,500,000	$1,000,000	$1,000,000	$50,000	$50,000	$3,600,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term	$250,000	$250,000	$250,000	$750,000	$3,600,000	$4,350,000

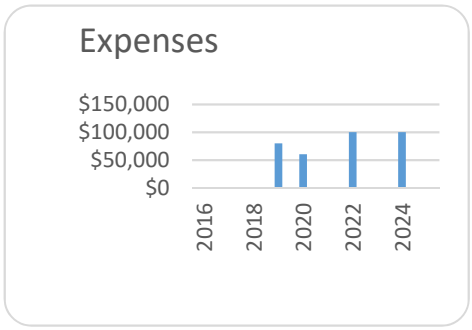
Water Well Inspections/Repairs (4 Total)

Project Category	Water Production
Useful Life	8 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$100,000.00
Initial Proposal Date	On going
Design Work	N/A
Project Work	Biannual
Reoccurance	Biannual
Fund	Water Facility
Account(s)	50-690-51500

Location Four (4) Village Well Sites

Issue AWWA Standards state wells should be inspected every 5-10 years.

Solution Performing an inspection of one well every other year allows the Village to inspect all of its wells every eight years. An Inspection Program assists in finding issues in the wells, and make repairs before failures. This allows the Village to meet the supply and demand of its water consumers without disruptions.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$80,000	$60,000	$140,000
	2021	2022	2023	2024	2025	Short Term
Short Term		$100,000		$100,000		$200,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$200,000	$300,000	$200,000	$700,000	$200,000	$900,000

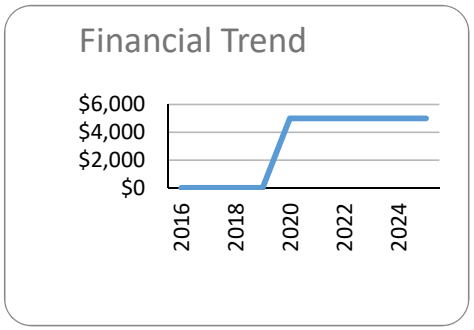
Water Tower and Reservoir Inspections/Repairs (6 Total)

Project Category	Water Production
Useful Life	5
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$10,000.00
Initial Proposal Date	2020
Design Work	N/A
Project Work	Yearly
Reoccurance	Yearly
Fund	Water Facility
Account(s)	50-690

Location Six (6) Water Distribution Sites

Issue AWWA Standards states tanks should be inspected every five years.

Solution The village has three water towers and three reservoirs. Performing one inspection per year allows the Village to inspect all sites in six years. This yearly program can be completed by inspections followed by budgeting repairs for the following year. An annual Inspection Program allows issues that are found in the water towers and reservoirs to be repaired before failures.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$5,000	$5,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$5,000	$5,000	$5,000	$5,000	$5,000	$25,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$25,000	$25,000	$25,000	$75,000	$25,000	$100,000

Water Pumping Station VFD Installation

Project Category	Water Production
Useful Life	5 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	N/A
Project Work	2021
Reoccurance	Yearly
Fund	Water Facility
Account(s)	50-690

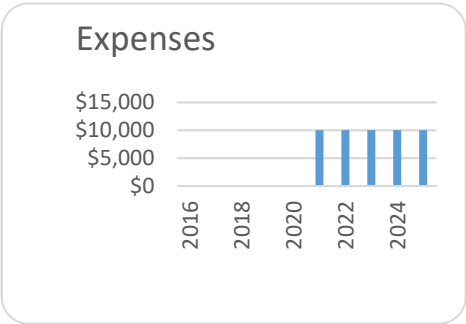
Location Water Distribution Sites

Issue

The Village water system relies on water storage tanks to provide water to all of its customers and to be used for fire protection. This type of system also puts extreme pressure on the water pumps and distribution system.

Solution

Variable frequency drives (VFDs) would allow the Village to run the water system without the water towers in emergencies. These VFDs also prolong the life of the pumps and watermains by slowly turning on and off the pumps when required.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$50,000	$50,000	$50,000	$150,000	$50,000	$200,000

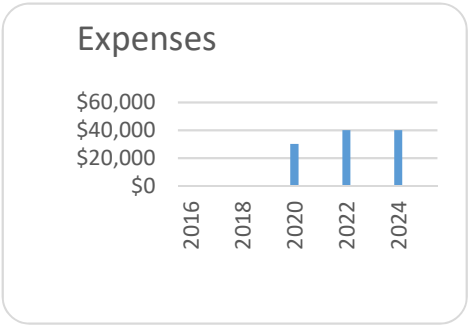
Water Pumping Station PLCs

Project Category	Water Production
Useful Life	20 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$30,000.00
Initial Proposal Date	2020
Design Work	N/A
Project Work	2022
Reoccurance	Biannual
Fund	Water Facility
Account(s)	50-690

Location Water Distribution SItes

Issue The Village computer systems that run the water distribution stations are near the end of their life. If the system fails before replacement, the Village water distribution system will not provide water for customer use or for fire protection.

Solution Replacing the PLCs before failure will ensure that our customers and the Fire Department will have water without disruption.



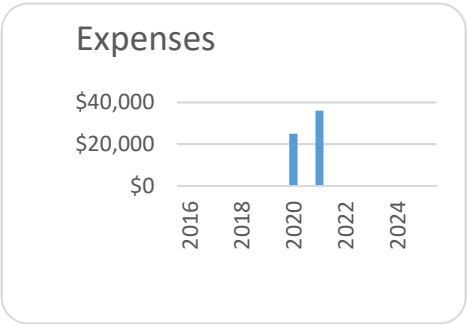
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$30,000	$30,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$0	$40,000	$0	$40,000	$0	$80,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$80,000	$95,000	$55,000	$230,000	$80,000	$310,000

Water Facility Risk & Resilience Assessment/Emergency Response Plan

Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location	Water Distribution Sites
Issue	The IEPA has mandated that by June 30, 2021, the Village perform a Risk & Resilience Assessment and prepare an Emergency Response Plan.
Solution	Completing this Assessment and Plan, will make the Village compliant with the IEPA's mandate. It will also assess the risk to the system from malevolent acts and natural hazards, assess resilience of infrastructure, assess monitoring practices, assess financial infrastructure, assess use, storage, or handling of various chemical by the system, and assess the operation and maintenance of the system.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical					$25,000	$25,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$36,000					$36,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$36,000	$36,000

Water Master Plan

Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

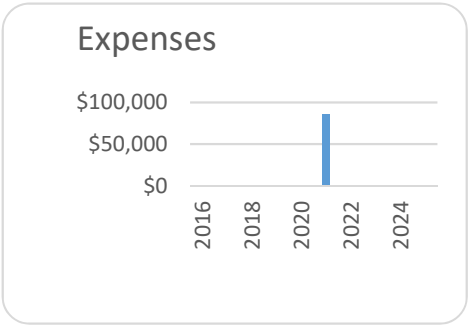
Location Water Distribution System

Issue

The Village has a water system that contains equipment that is dated and reaching the end of its useful life.

Solution

A Water Master Plan will provide the Village with a comprehensive assessment of the water systems current performance and possible future requirements. It will involve current system inventory, identify future need, prioritize projects, and provide a framework to work off of.



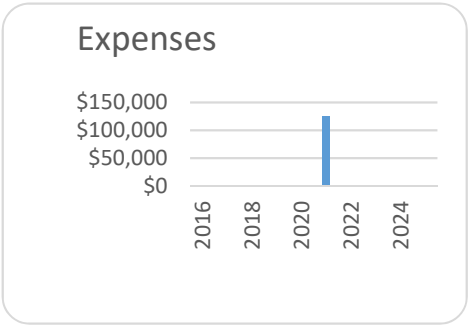
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$85,000					$85,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$85,000	$85,000

Water System Model

Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location	Water Distribution System
Issue	The Village has a an aging distribution system that was not built for the current needs of its customers and Fire Department.
Solution	This study will assess the current demands on the distribution system and determine if the current system still meets demands, or if additional or larger watermains are necessary. This will also help the Village prioritize the replacement of its watermains.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$125,000					$125,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$125,000	$125,000

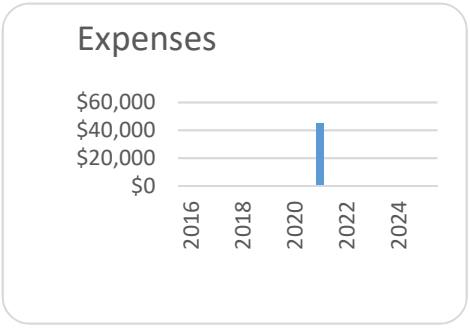
Water Softening/Lake Michigan Water Supply Study

Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location Water Distribution System

Issue The Village's water system contains hard water. While the water is safe to drink, it can cause customers to see a buildup of hard water on fixtures and surfaces. This was a common topic in the Comprehensive Plan Meetings.

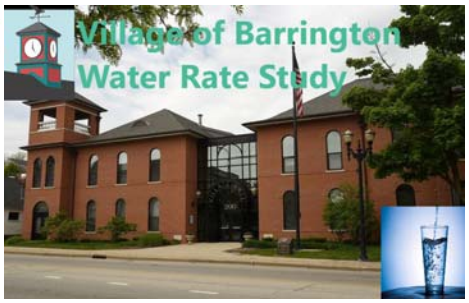
Solution Perform a study of the Village's current water system to evaluate the feasibility of installing water softening equipment or connecting to Lake Michigan water.



Financial Impact

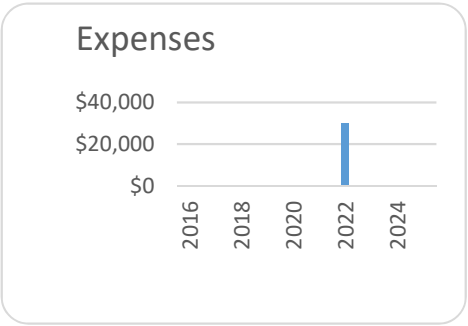
	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$45,000					$45,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$45,000	$45,000

Water Rate Study



Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location	Water System
Issue	The Village's water system is aging and is costing more to maintain each year. The current water rate is not sufficient to keep up with the increasing cost of maintenance and replacement.
Solution	Having a rate study performed will help balance the infrastructure needs, while supplying affordable water.



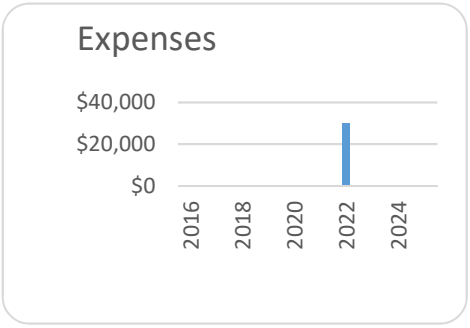
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$30,000				$30,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$30,000	$30,000

Sustainable Source Water Assessment

Project Category	Water Production
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location	Water System
Issue	The 1996 Amendments to the Safe Drinking Water Act (SDWA) focused on pollution prevention to protect the safety of drinking water supplies and required states to create a Source Water Assessment Program (SWAP) for all public drinking water systems.
Solution	This study will identify land areas which provide water to each drinking water source, complete an inventory of existing and potential sources in those areas, and determine the susceptibility of each drinking water system to contamination.



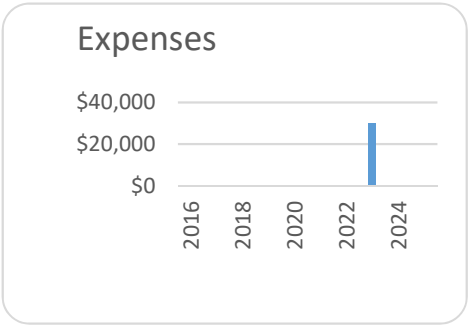
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$30,000				$30,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$30,000	$30,000

Source Water Protection Plan

Project Category	Water Distribution
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2023
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location	Water System
Issue	Public water systems are responsible for meeting the requirements of the EPA and State drinking water programs under the Safe Drinking Water Act (SDWA). One of those requirements is a Source Water Protection Plan.
Solution	Perform a study to identify activities or projects needed to mitigate existing and future threats to source water quality and to improve the resilience of the water supply.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term			$30,000			$30,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$30,000	$30,000

Lead Water Service Line Replacement

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Grant
User Department	PW
Coordinator	PW
Current Budget	$10,000
Initial Proposal Date	Ongoing
Design Work	2021-2023
Project Work	2021-2023
Reoccurance	N/A
Fund	Water Facility
Account(s)	50-690

Location

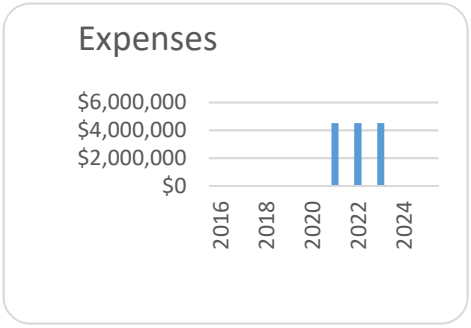
Main to meter

Issue

Lead water services provide drinking water to residential properties in various locations throughout the Village. These services no longer meet EPA regulations for pipe material.

Solution

The Village performed an inventory of potential lead service lines in the early 2000's. The next step is to replace all lead services with copper services to comply with current EPA requirements. There are approximately 900 lead services remaining in the Village. This project would be funded with State Revolving Funds Loans that provide up to 100% loan forgiveness.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
Short Term	$4,500,000	$4,500,000	$4,500,000			$13,500,000
	Year 6-10	**Year 11-15**	**Year 16-20**	**Long Term**	**Short Term**	**Total 20 Year**
Long Term				$0	$13,500,000	$13,500,000

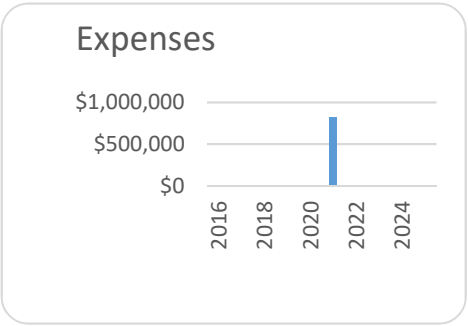
Hart Road & Main Street Watermain

Project Category	Water Production
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2019
Project Work	2021
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location Hart Road and Main Street (CN to Hager)

Issue The existing watermain has reached its useful life and is having frequent breaks.

Solution Replace the watermain with a new watermain.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$825,000					$825,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$825,000	$825,000

Iron Filtration System Replacement

Project Category	Water Production
Useful Life	20 years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	2022
Project Work	2023
Reoccurance	20 years
Fund	Water Facility
Account(s)	50-690

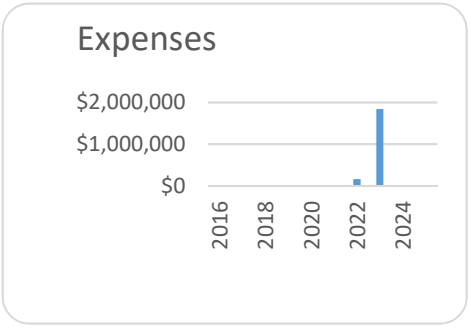
Location Bryant Ave Well House

Issue

The water produced from some of the Village wells have high iron content. The iron filtration tanks and system that remove the iron are starting to leak and not perform as efficiently leaving additional iron in the drinking water.

Solution

Making repairs to the current system is not cost effective and does not cover all of the issues. Installing a new iron filtration system will be more cost effective and produce water with less iron.



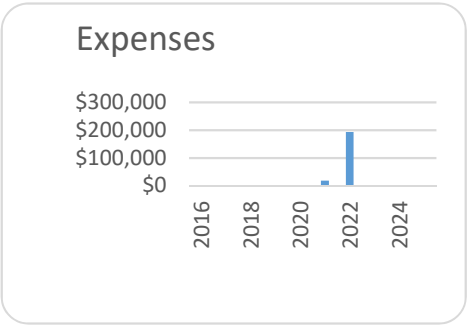
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$160,000	$1,840,000			$2,000,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$2,000,000	$2,000,000

Lake Zurich Road Watermain Project

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	2021
Project Work	2022
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location	Lake Zurich Road (887 Bosworthfield Rd. to
Issue	The 8'' cast iron watermain has reached its useful life. This watermain is in close proximity of residential houses and when it breaks it creates a potential for major flooding to adjacent homes. Mature landscaping creates accessibility issues to make the repairs.
Solution	Replace 700 L.F. of watermain with new 8'' ductile iron pipe to a more accessible location. This will eliminate both the maintenance issues as well as the risk to the nearby houses.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$17,500	$192,500				$210,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$210,000	$210,000

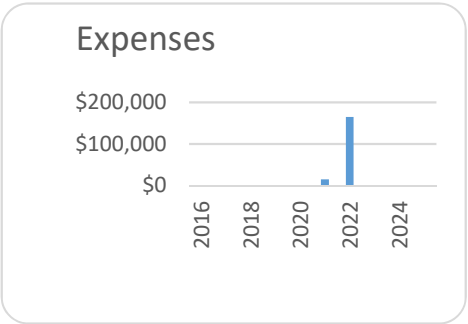
Roslyn Road Watermain Project

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	2021
Project Work	2022
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location Roslyn Road (Hough St. to Prospect Ave.)

Issue This 6'' watermain has surpassed its useful life and numerous watermain breaks have occurred on this stretch of pipe over the last several years.

Solution Replace 650 L.F. of watermain with 8'' ductile iron pipe.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$15,000	$165,000				$180,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$180,000	$180,000

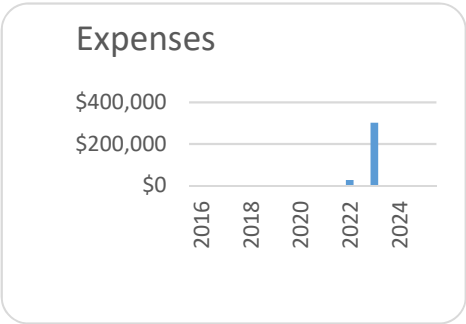
Lageschulte Street Watermain Project

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	2022
Project Work	2023
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location Lageschulte St. (Lincoln Ave. to Main St.)

Issue This existing 6" watermain has reached its useful life experiencing frequent watermain breaks. It is also undersized for adequate fire protection for numerous businesses in this area.

Solution Replace 1,200 L.F. existing 6'' watermain with 8'' ductile iron pipe which will provide reliable service and adequate fire protection.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$27,500	$302,500			$330,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$330,000	$330,000

N. Cook Street Watermain Project

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	2022
Project Work	2023
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location

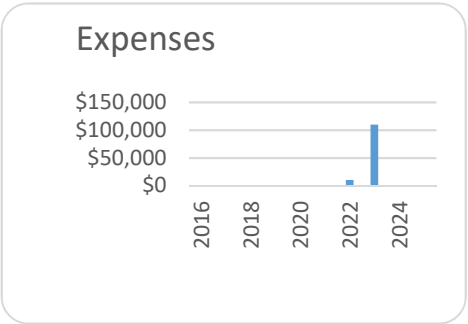
Cook St. (Main St. to Franklin St.)

Issue

The existing watermain has reached its useful life and is undersized for adequate fire protection in this area. Future redevelopment, which will result in increased capacity, is also highly likely.

Solution

Replace 350 L.F. of existing 6'' pipe with new 8'' ductile iron pipe to provide adequate fire protection and service reliability.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$10,000	$110,000			$120,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$120,000	$120,000

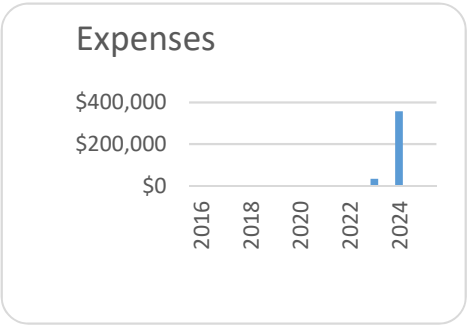
Lincoln Avenue Watermain Project

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2023
Design Work	2023
Project Work	2024
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

Location Lincoln Ave. (Hough St. to Dundee Ave.)

Issue The existing watermain has reached its useful life and currently has lead water services from the watermain to the b-box.

Solution Replace 1,350 L.F. of existing 6'' watermain with new 8'' ductile iron pipe and new copper water services from the watermain to the B-box for compliance with EPA regulations.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term			$32,500	$357,500		$390,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$390,000	$390,000

Hart Road and Route 14 Northwest Watermain Loop

Project Category	Water Distribution
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2024
Design Work	2024
Project Work	2025
Reoccurance	50 Years
Fund	Watermain Projects
Account(s)	50-680

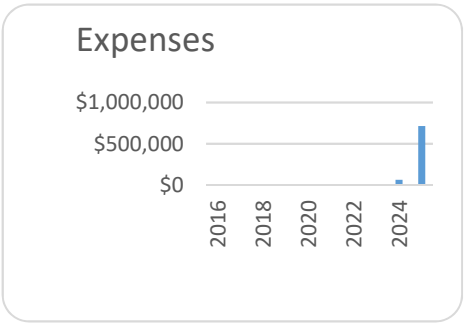
Location Taylor St. to 550 West Northwest Hwy.

Issue

The watermain distribution system is a dead end past 600 W. Northwest Hwy (Wickstrom Ford). Any type of watermain shut down (W. of Wickstrom Ford) disrupts water service to Wickstrom Dodge, Foundry Mall, Taylor St. and Paganica subdivision (Barrington Hills). This creates fire protection issues along with business closures.

Solution

Install a new watermain on E. Taylor Rd. and install 2,700 L.F. of 8'' ductile iron pipe from 550 W. Northwest Hwy. to Hart and Taylor St. This would create a watermain loop to provide water reliability and fire protection without disruption.

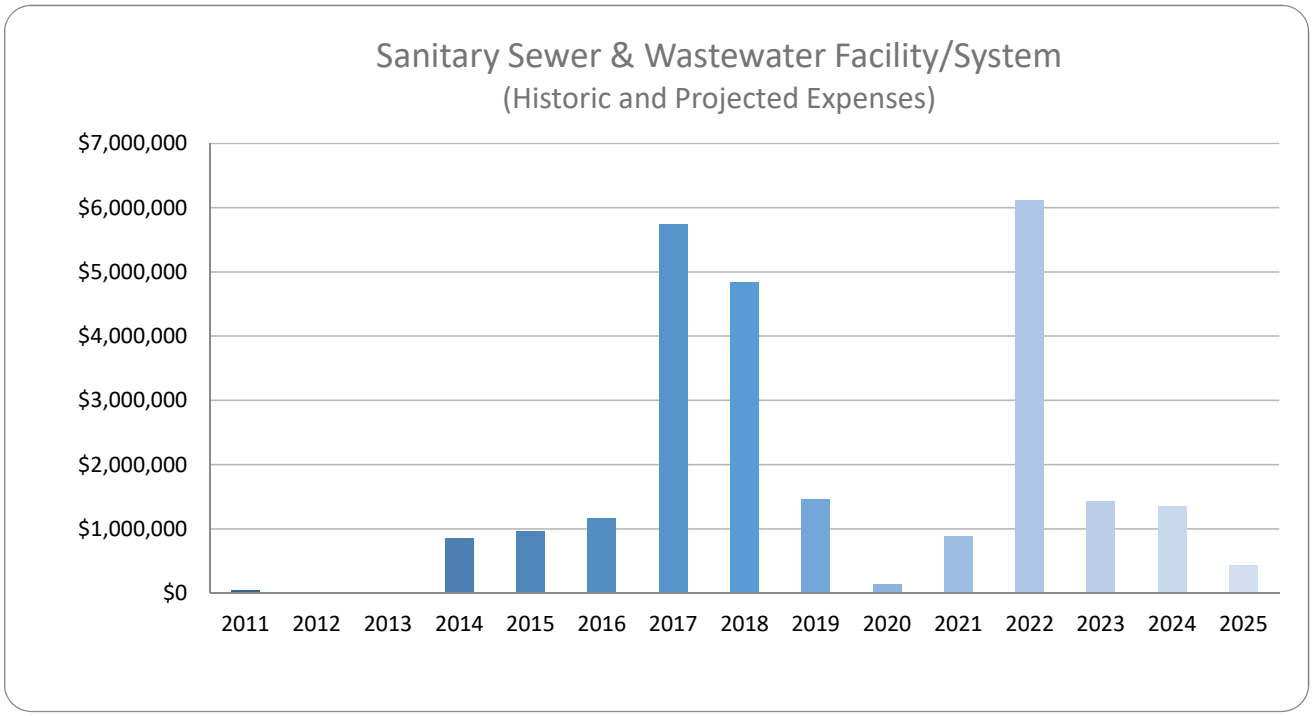


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term				$65,000	$715,000	$780,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$780,000	$780,000

Sanitary Sewer & Wastewater Facility/System Improvements

The Village owns and maintains a wastewater treatment plant, pump stations and transmission mains to convey and treat sanitary waste. Projects in this category include maintenance work, studies to assess and map the system, evaluate sewer rates, and determine replacement schedules for the wastewater treatment plant, as well as sanitary sewer and lift station replacement projects. Annual maintenance work within this category is necessary to maintain Village facilities and sanitary waste treatement services. Investment in studies allows the Village to proactively plan for facility repair and replacement and establish sewer rates which cover the cost of operating and maintaining the Village system.



Financial Impact

	2011	2012	2013	2014	2015	
Historical	$37,672	$2,000	$9,352	$849,617	$962,802	
	2016	**2017**	**2018**	**2019**	**2020**	**Historical**
Historical	$1,160,415	$5,743,489	$4,837,466	$1,456,464	$132,690	$13,330,524
	2021	**2022**	**2023**	**2024**	**2025**	**Short Term**
5-Year	$885,000	$6,110,000	$1,422,000	$1,352,000	$425,000	$10,194,000

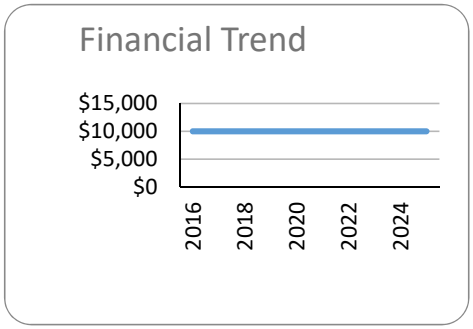
Sanitary System replacements/repairs

Project Category	Sanitary & Wastewater
Useful Life	50 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$10,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Sanitary Sewer Mains
Account(s)	50-700

Location Sanitary Collection System

Issue Following the completion of cleaning and televising the sewers, emergency repairs will be required.

Solution Perform emergency repairs to ensure the sanitary sewer operates at maximum capacity and does not cause EPA violations or basement backups.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$50,000	$50,000	$50,000	$150,000	$50,000	$200,000

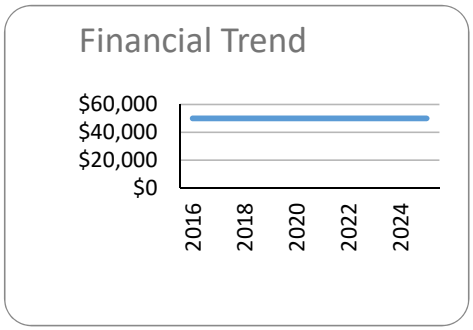
Inflow/Infiltration replacements/repairs

Project Category	Sanitary & Wastewater
Useful Life	20 years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	$50,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Sanitary Sewer Mains
Account(s)	50-700

Location Sanitary Collection System

Issue Following the completion of the inflow and infiltration testing, stormwater intrusion locations will be found that require immediate repair.

Solution Perform repairs on the sanitary sewer system to keep stormwater from entering the system. Eliminating stormwater from the system will reduce EPA violations and costs to operate infrastructure and the wastewater treatment plant.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$250,000	$250,000	$250,000	$750,000	$250,000	$1,000,000

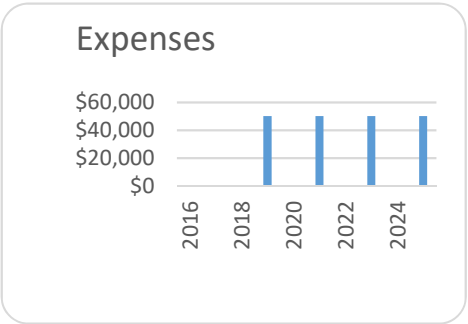
WWTP Buildings Tuckpointing

Project Category	Sanitary & Wastewater
Useful Life	50 Years
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	N/A
Project Work	Biannually
Reoccurance	Biannually
Fund	Wastewater
Account(s)	50-710

Location Wastewater Treatment Plant

Issue Buildings at the Wastewater Treatment Plant are in need of repairs due to their age and the harsh environment.

Solution Performing tuckpointing will prevent further damage and prolong the life of the buildings.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$50,000		$50,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$50,000		$50,000		$50,000	$150,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$0	$0	$0	$0	$150,000	$150,000

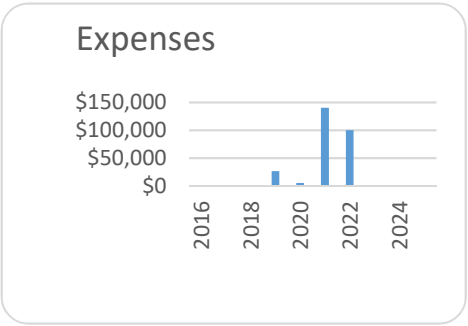
WWTP Phosphorus Building

Project Category	Sanitary & Wastewater
Useful Life	20 Years
Project Type	Construction
User Department	Maintenance
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	2021
Reoccurance	20 Years
Fund	Wastewater
Account(s)	50-710

Location Wastewater Treatment Plant

Issue The Phosphorus Building requires additional safety measures.

Solution Improvements to this building will bring it up to code and provide a safe work environment.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$26,000	$5,000	$31,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$140,500	$100,000				$240,500
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$240,500	$240,500

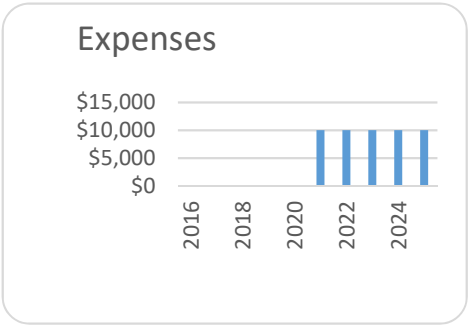
WWTP Lab Improvements

Project Category	Sanitary & Wastewater
Useful Life	Varies
Project Type	Maintenance
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	N/A
Project Work	N/A
Reoccurance	Yearly
Fund	Wastewater
Account(s)	50-710

Location Wastewater Treatment Plant

Issue The Lab for the Wastewater Treatment Plant has equipment that requires routine maintenance and replacement.

Solution Replacing equipment before it fails will keep the lab in working order and allow the Village to meet IEPA requirements.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$50,000	$50,000	$50,000	$150,000	$50,000	$200,000

Inflow/Infiltration Assessment

Project Category	Sanitary & Wastewater
Useful Life	5 Years
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	$300,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Sanitary Sewer Mains
Account(s)	50-700

Location

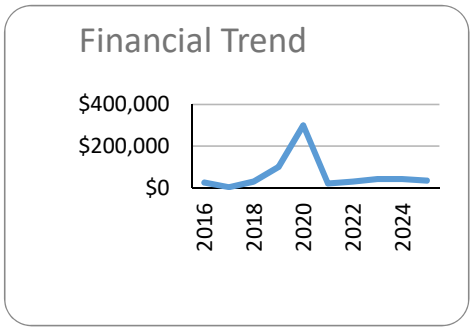
Sanitary Collection System

Issue

The Village treats approximately twice as much sanitary water as it produces drinking water. The majority of this additional flow comes in the form of stormwater and causes EPA violations.

Solution

Performing inflow and infiltration testing will help the Village determine locations where stormwater enters the sanitary system. Eliminating stormwater from the sanitary system will reduce EPA violations and costs to the Village.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$26,000	$3,400	$30,700	$100,000	$300,000	$460,100
	2021	2022	2023	2024	2025	Short Term
Short Term	$20,000	$30,000	$42,000	$42,000	$35,000	$169,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$200,000	$200,000	$200,000	$600,000	$169,000	$769,000

Televise, Clean & Inspect Sewer Lines and Update GIS Data

Project Category	Sanitary & Wastewater
Useful Life	5 Years
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	$270,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	Annually
Fund	Sanitary Sewer Mains
Account(s)	50-700

Location

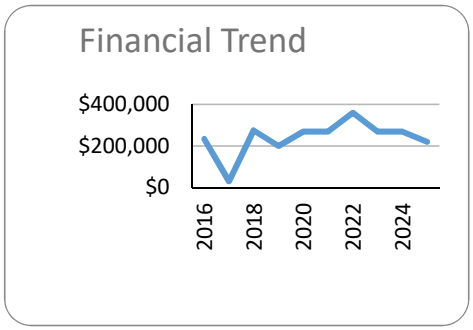
Sanitary Collection System

Issue

Aging systems result in broken pipes and increased maintenance. When those issues are not found, they result in EPA violations by causing sanitary sewer overflows and backing up into private property.

Solution

Perform regular cleaning and televising to keep the sanitary system operating at maximum capacity. Locate and repair damaged pipe before backups and overflows occur.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$234,000	$31,000	$275,000	$200,000	$270,000	$1,010,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$270,000	$360,000	$270,000	$270,000	$220,000	$1,390,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$1,500,000	$1,500,000	$1,500,000	$4,500,000	$1,390,000	$5,890,000

WWTP Condition Assessment Study

Project Category	Sanitary & Wastewater
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2020
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Wastewater
Account(s)	50-710

Location

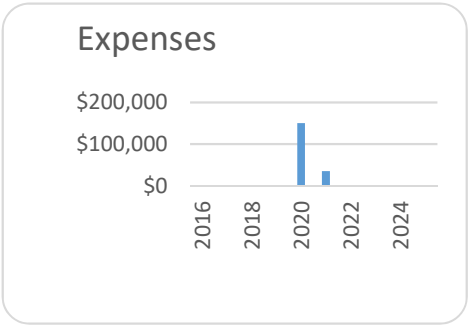
Wastewater Treatment Plant

Issue

The Village's existing Wastewater Treatment Plant (WWTP) was last fully upgraded in 1972. Several pieces of equipment, structures, and unit processes have either passed or are approaching the end of their useful life.

Solution

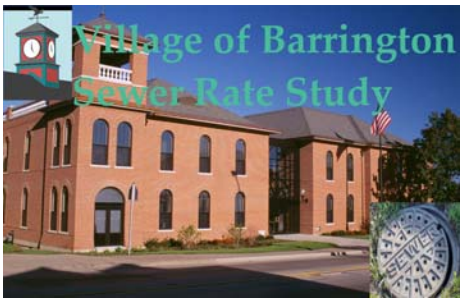
The purpose of this project is to perform a full evaluation of each unit process and associated equipment, and develop a project plan identifying necessary upgrades and maintenance plans at the Village's WWTP.



Financial Impact

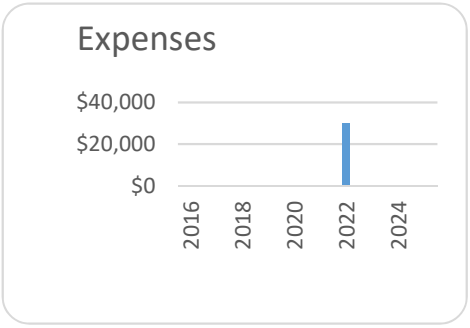
	2016	2017	2018	2019	2020	Historical
Historical					$150,000	$150,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$35,000					$35,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$35,000	$35,000

Sewer Rate Study



Project Category	Sanitary & Wastewater
Useful Life	N/A
Project Type	Study
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	N/A
Project Work	N/A
Reoccurance	N/A
Fund	Wastewater
Account(s)	50-710

Location	Wastewater System
Issue	The Village's wastewater system is aging and is costing more to maintain each year. The current wastewater rate is not sufficient to keep up with the increasing cost of maintenance and replacement.
Solution	Having a study performed will provide documentation of rates that can cover both infrastructure needs and the cost of treating wastewater.



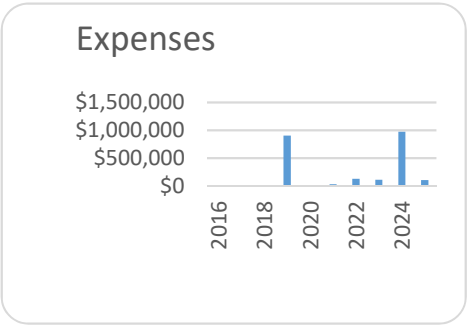
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$30,000				$30,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$30,000	$30,000

Lift Stations (12 Total)

Project Category	Sanitary & Wastewater
Useful Life	30 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	Ongoing
Design Work	Ongoing
Project Work	Ongoing
Reoccurance	Biannually
Fund	Wastewater
Account(s)	50-710

Location	12 Lift Stations
Issue	A few lift stations have reached the end of their useful life and need replacement.
Solution	Design and replacement of the lift stations before they fail will prevent downtime, possible issues with not being able to operate them properly, and IEPA violations.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical				$900,000		$900,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$25,000	$125,000	$105,000	$970,000	$100,000	$1,325,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$2,200,000	$2,200,000	$2,200,000	$6,600,000	$1,325,000	$7,925,000

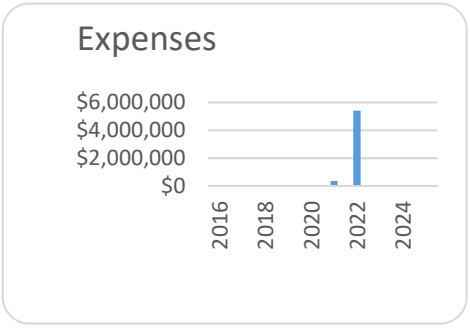
WWTP Control Building Replacement

Project Category	Sanitary & Wastewater
Useful Life	N/A
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2021
Design Work	2021
Project Work	2022
Reoccurance	N/A
Fund	Wastewater
Account(s)	50-710

Location Wastewater Treatment Plant

Issue The Control Building at the Wastewater Treatment Plant, its electrical components, and the equipment inside have reached the end of their useful life.

Solution Design and construction of a new Control Building will be more cost effective than trying to repair or rehab the building, and replacing the out of date equipment.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term	$325,000	$5,410,000				$5,735,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$5,735,000	$5,735,000

Sanitary Sewer Main Lining Project

Project Category	Sanitary & Wastewater
Useful Life	50 Years
Project Type	Improvement
User Department	PW
Coordinator	PW
Current Budget	N/A
Initial Proposal Date	2022
Design Work	2022
Project Work	2023
Reoccurance	N/A
Fund	Sanitary Sewer Mains
Account(s)	50-700

Location

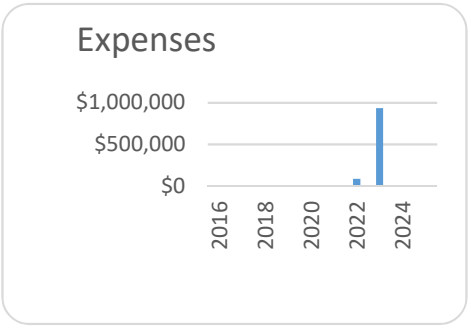
North Fox Point and Jewel Park

Issue

Following inflow and infiltration testing; as well as televising, large sections of sanitary sewer mains were found to be in poor condition needing repair and allowing ground water to enter.

Solution

Line approximately 14,000 L.F. of mainline sanitary sewer to extend the useful life of the sewer and eliminate ground water from entering the sanitary system.

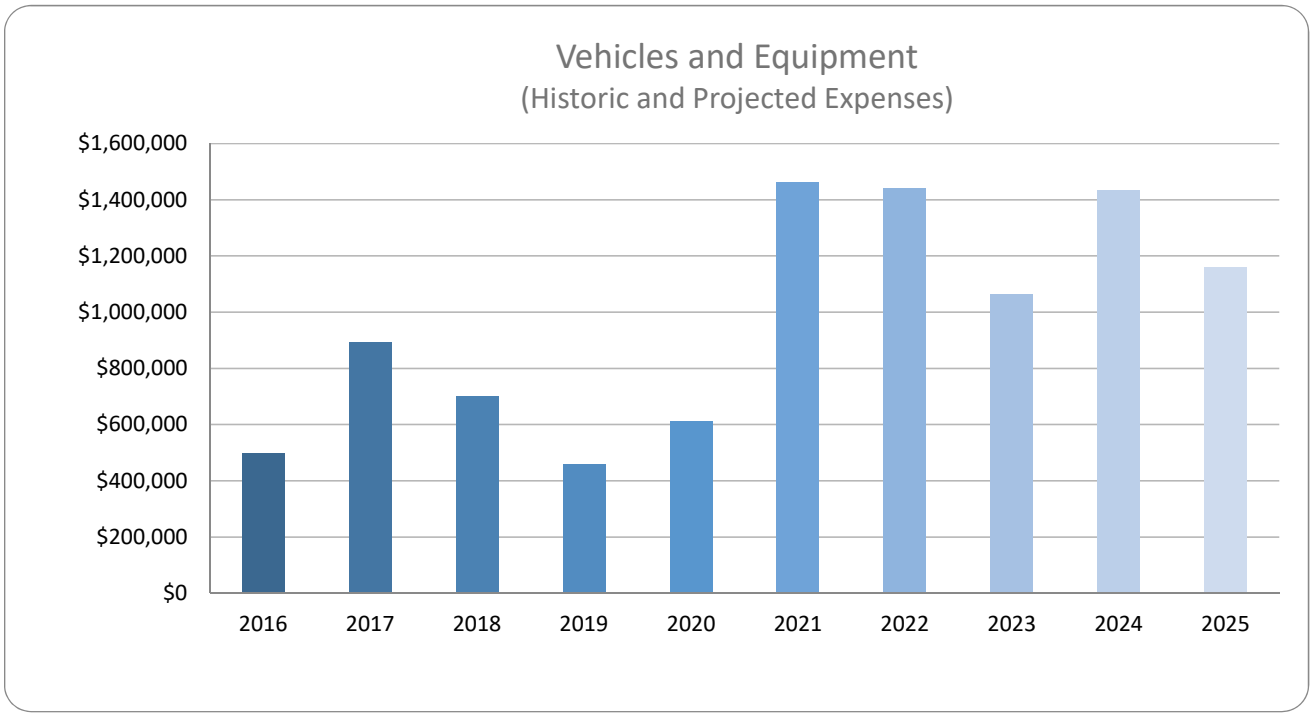


Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical						$0
	2021	2022	2023	2024	2025	Short Term
Short Term		$85,000	$935,000			$1,020,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$1,020,000	$1,020,000

Vehicles & Equipment

Village departmental operations require equipment, software and vehicles. Operating equipment, software and vehicle costs within this category are necessary to ensure the approprate tools are available to safely and efficiently complete departmental tasks.



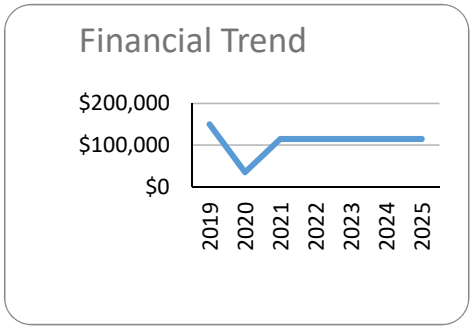
Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$496,969	$891,985	$700,573	$459,194	$612,457	$3,161,178
	2021	2022	2023	2024	2025	Short Term
5-Year	$1,464,000	$1,442,000	$1,062,000	$1,433,000	$1,161,000	$6,562,000

Police Operating Equipment

Project Category	Vehicles & Equipment
Project Type	Maintenance
User Department	PD
Coordinator	PD
Current Budget	$15,000.00
Initial Proposal Date	2020
Fund	Vehicles & Equipment
Account(s)	20-630

Location	Public Safety
Issue	The Police Department requires equipment to effectively and efficiently complete their job duties.
Solution	Assess, request and order necessary equipment, including vests, radios, and computers.



Financial Impact

	2019	2020	Historical
Historical	$150,000	$35,000	$185,000

	2021	2022	2023	2024	2025	Short Term
Short Term	$115,000	$115,000	$115,000	$115,000	$115,000	$575,000

	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$575,000	$575,000	$575,000	$1,725,000	$575,000	$2,300,000

Fire Operating Equipment

Project Category	Vehicles & Equipment
Project Type	Maintenance
User Department	FD
Coordinator	FD
Current Budget	$15,000.00
Initial Proposal Date	2020
Fund	Vehicles & Equipment
Account(s)	20-630

Location

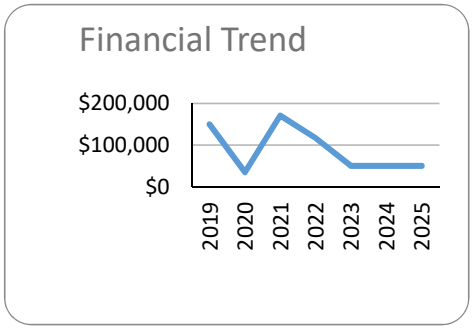
Public Safety

Issue

The Fire Department requires equipment to effectively and efficiently complete their job duties.

Solution

Assess, request and order necessary equipment, including cardiac monitors and apparatus upgrades.



Financial Impact

	2019	2020	Historical
Historical	$150,000	$35,000	$185,000

	2021	2022	2023	2024	2025	Short Term
Short Term	$171,000	$117,000	$50,000	$50,000	$50,000	$438,000

	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$250,000	$250,000	$250,000	$750,000	$438,000	$1,188,000

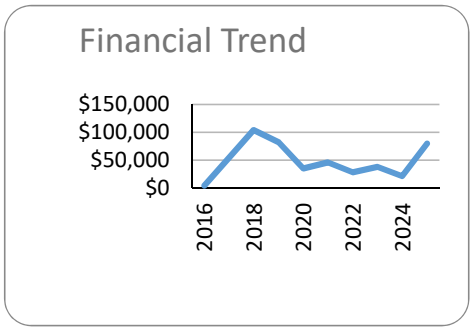
Public Works Operating Equipment

Project Category	Vehicles & Equipment
Useful Life	3-20 years
Project Type	
User Department	PW
Coordinator	PW
Current Budget	$35,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	3-20 years
Asset Valuation	1,161,000
	Varies
	Varies
Fund	Vehicles & Equipment
Account(s)	20-630, & 50-630

Location Public Works Central Garage

Issue The Village has operating equipment reaching the end of its useful life or is performing new services that require specialized equipment.

Solution Replace outdated operating equipment or acquire new equipment that meets the Village's current demands.



Financial Impact

	2016	2018	2018	2019	2020	Historical
Historical	$3,800	$54,000	$104,000	$82,000	$35,000	$278,800
	2021	2022	2023	2024	2025	Short Term
Short Term	$46,000	$28,000	$38,000	$21,000	$80,000	$213,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$155,000	$155,000	$155,000	$465,000	$168,000	$633,000

Technology Equipment and Software Purchases

Project Category	Vehicles & Equipment
Project Type	Maintenance
User Department	VMO
Coordinator	VMO
Current Budget	$15,000.00
Initial Proposal Date	2020
Fund	Vehicles & Equipment
Account(s)	20-630

Location

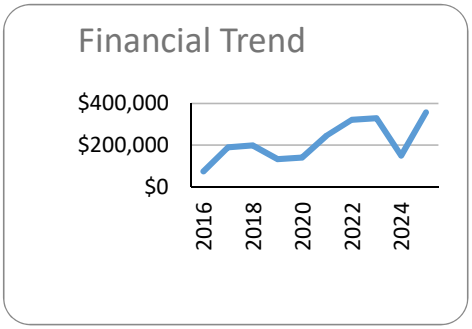
Village Facilities

Issue

Technology Equipment and Software is necessary to ensure the operation of all Village Departments

Solution

Assess, maintain and upgrade technology equipment and software as necessary to ensure continued department operations. Recording equipment, copiers, computers, servers, phones, internet and security measures are assessed as part of these projects.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$74,000	$189,000	$199,500	$133,000	$140,000	$735,500
	2021	2022	2023	2024	2025	Short Term
Short Term	$247,000	$322,000	$330,000	$150,000	$357,000	$1,406,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term				$0	$1,406,000	$1,406,000

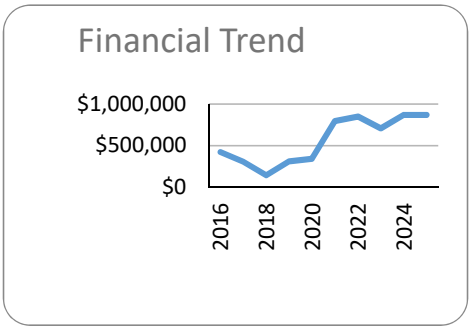
Vehicles

Project Category	Fleet
Useful Life	3-20 years
Project Type	
User Department	All
Coordinator	PW
Current Budget	$343,000.00
Initial Proposal Date	Ongoing
Design Work	N/A
Project Work	Yearly
Reoccurance	3-20 years
Asset Valuation	$6,939,000.00
Last Deferred	Varies
Last Incurred	Varies
Fund	Capital, Water & Sewer
Account(s)	20-630, & 50-630

Location Central Garage and Department Buildings

Issue The Village has vehicles that have reached the end of their useful life.

Solution Replace outdated vehicles with new vehicles that meet the Village's current demands.



Financial Impact

	2016	2017	2018	2019	2020	Historical
Historical	$424,000	$309,000	$145,000	$313,000	$343,000	$1,534,000
	2021	2022	2023	2024	2025	Short Term
Short Term	$795,000	$852,000	$709,000	$871,000	$871,000	$4,098,000
	Year 6-10	Year 11-15	Year 16-20	Long Term	Short Term	Total 20 Year
Long Term	$4,000,000	$4,000,000	$4,000,000	$12,000,000	$4,098,000	$16,098,000