



**2018-2023
Capital Improvement Plan
March 26, 2018**



2018-2023 Capital Improvement Plan

Introduction

The Capital Improvement Plan (CIP) is a planning and budgeting tool used to provide a multi-year vision of the City's future capital needs and expenses. Capital projects are typically the largest expenditure in an annual budget, which makes the CIP a critical tool for the City's budget discussions. By outlining future costs for capital projects, the City can plan for funding and project phasing. The ability to envision multi-year capital projects and expenditures also helps the City's ability to prioritize them.

This proposed 2018-2023 Capital Improvement Plan is intended to accomplish the following:

- Outlines multi-year planned projects to citizens, the City Council and staff;
- Assists the City Council in prioritizing needs and maximizing limited resources for addressing identified projects;
- Helps the City develop a planning tool for future projects;
- Allows the City to phase projects for multi-year tasks (e.g. plan, design, construction);
- Provides a proactive framework for the maintenance and replacement of City infrastructure
- Attempts to minimize the occurrence of emergency expenses.

The CIP includes fiscal year 2018/2019 projected projects along with projects anticipated to occur over the next five years through FY 2022/23. Each future project includes a cost estimate that is subject to revision over time. The CIP provides the citizens, City Council and staff, with a plan for future improvements and identifies funding sources.

In developing the CIP, City staff has identified critical projects to ensure the City's infrastructure is properly maintained and replaced. Many of these projects have previously been discussed with the City Council, and the capital planning process has been discussed with the Strategic Directions Committee. The projects and purchases listed within the CIP are generally over \$25,000 and include expenditures for the following areas:

- Infrastructure (roads and storm water management improvements)
- Sanitary Sewers
- Vehicles and Equipment
- Sidewalks
- Information Technology

Going forward, the CIP will be included as part of the annual budget process. It is again stressed the CIP is a plan, subject to changing priorities, funding availability and other variables.

The approval of the plan does not constitute approval of any individual project within the CIP. The projects will be reviewed again by the City Council annually during the budget process. Additionally, many projects and expenditures will be reviewed again by the City Council prior to contract award.

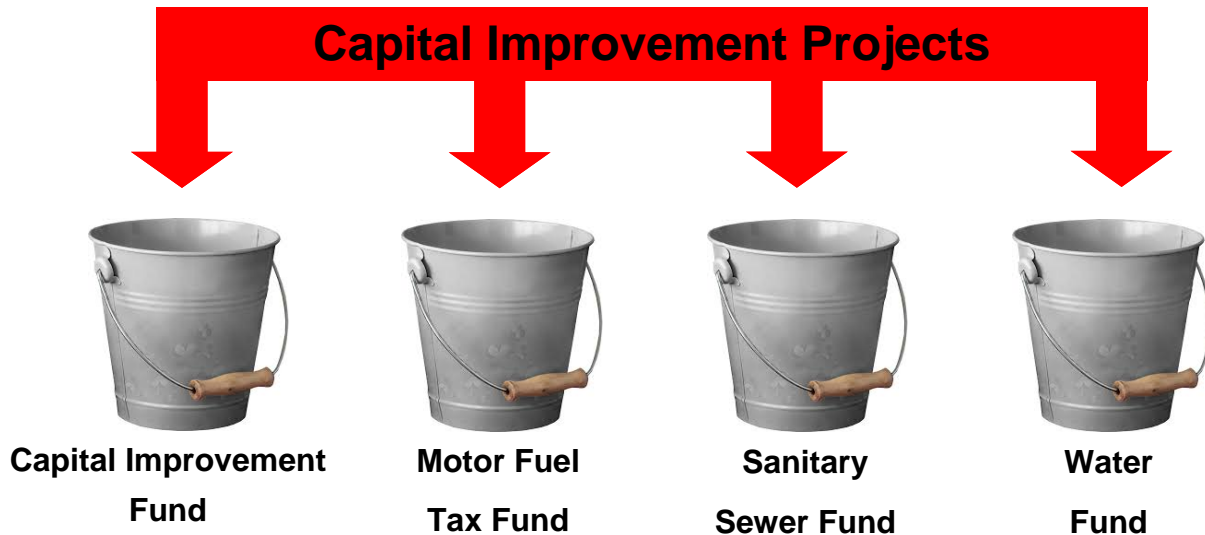


2018-2023 Capital Improvement Plan

Fund Background

Generally the City's CIP projects are paid for through one of the following City funds. These funds are considered separate "buckets" and are outlined below.

The CIP is not being funded from the City's general fund/operating budget.



Capital Projects Fund

The City's Capital Projects Fund is used for capital projects throughout the City. The Capital Projects Fund was created in 2018.

Motor Fuel Tax Fund

The City receives from the State of Illinois, on a per capita basis, a share of the state's motor fuel tax. The revenues the City receives are estimated and can vary slightly year to year, but are generally around \$350,000 annually.

Since the revenue is distributed by the State of Illinois, there are restrictions on its use. The City utilizes the MFT revenue exclusively to maintain roadway infrastructure within the City.

Sanitary Sewer Fund

The Sanitary Sewer Fund is an enterprise fund which is funded through sanitary sewer user fees.

The Sanitary Sewer Fund revenue received by the City is restricted and stays within the fund to cover operations and capital needs.

Water Fund

The Water Fund is an enterprise fund which is funded through water user fees.

The water revenue received by the City is restricted and stays within the fund to cover operations and capital needs

CAPITAL IMPROVEMENT PLAN SUMMARY		FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
STREET RESURFACING PROJECT		\$ 1,349,880	\$ 1,630,262	\$ 1,525,186	\$ 1,163,154	\$ 1,727,132	\$ 7,395,615
DRAINAGE IMPROVEMENTS		\$ 110,000	\$ 705,000	\$ 45,000	\$ -	\$ -	\$ 860,000
SIDEWALKS		\$ 79,279	\$ 190,705	\$ -	\$ -	\$ -	\$ 269,984
SEWER IMPROVEMENTS		\$ 192,500	\$ 180,250	\$ -	\$ -	\$ -	\$ 372,750
EQUIPMENT - INFORMATION TECHNOLOGY		\$ 50,000	\$ 15,000	\$ 20,000	\$ 13,000	\$ 15,000	\$ 113,000
VEHICLES/EQUIPMENT - PUBLIC WORKS		\$ 103,000	\$ 158,000	\$ 415,000	\$ 26,000	\$ 36,000	\$ 738,000
VEHICLES/EQUIPMENT - PUBLIC SAFETY		\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000	\$ 320,000
		<u>\$ 1,948,659</u>	<u>\$ 2,943,217</u>	<u>\$ 2,069,186</u>	<u>\$ 1,266,154</u>	<u>\$ 1,842,132</u>	<u>\$ 10,069,349</u>
Funding Source - Capital Fund		\$ 1,756,159					
Funding Source - Sewer Fund		\$ 192,500					
		<u>\$ 1,948,659</u>					

CITY OF PROSPECT HEIGHTS
Capital Improvements Plan, 2018-2023

Street Rating	Project Name	Alternate Funding Source	Amount Funded	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
<p>Street Resurfacing: The proposed 5-year street resurfacing program has been established through the street evaluation process conducted by Gewalt Hamilton. The evaluation process provided a quantitative assessment of the roadway condition and allowed for the prioritizing of roads most in need of rehabilitation. This is determined by the utilization of a Pavement Condition Rating form to visually assess the pavements while noting general deficiency characteristics. These can then be compared to other segments of the system and ranked based on their individual PCR number. Lower condition rating numbers are considered to be more in need of correction, usually at a higher dollar value, than the higher-rating segments. Please note: Apple Drive and Piper Lane meet the requirements for eligibility for Surface Transportation Program funding. If application is successful, 80 per cent of resurfacing costs are paid for by Federal Transportation funding.</p>									
67	Rob Roy Lane			\$ 375,100					\$ 375,100
68	Edward Cul-De-Sac			\$ 55,200					\$ 55,200
70	Edward Road			\$ 46,300					\$ 46,300
71	Tomah Avenue			\$ 130,000					\$ 130,000
74	Maple lane			\$ 32,200					\$ 32,200
73	Hillside Avenue			\$ 261,000					\$ 261,000
73	Natawa Place			\$ 8,400					\$ 8,400
75	East Circle Avenue			\$ 108,800					\$ 108,800
75	Olive Avenue			\$ 107,900					\$ 107,900
	Est. Project Cost	\$ 1,124,900	\$ -	\$ 1,124,900					\$ 1,124,900
	10% Contingency			\$ 112,490					\$ 112,490
	10% Engineering			\$ 112,490					\$ 112,490
	Total Street Resurfacing - 2018-19			<u>\$ 1,349,880</u>					<u>\$ 1,349,880</u>

CITY OF PROSPECT HEIGHTS
Capital Improvements Plan, 2018-2023

Street Rating	Project Name	Alternate Funding Source	Amount Funded	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
53	Seminole Ln. Eng.				\$ 128,000				\$ 128,000
75	Minnaqua Drive				\$ 146,400				\$ 146,400
76	Concord Way				\$ 156,400				\$ 156,400
76	Maple Ave.				\$ 102,700				\$ 102,700
76	Pine Forest Lane				\$ 56,300				\$ 56,300
79	Marberry Drive				\$ 32,800				\$ 32,800
80	Apple Drive				\$ 264,900				\$ 264,900
80	Etowah Ave.				\$ 60,400				\$ 60,400
81	Cove Drive				\$ 142,600				\$ 142,600
81	Burning Bush				\$ 99,200				\$ 99,200
81	Mulberry Drive				\$ 73,900				\$ 73,900
82	Newcastle				\$ 42,700				\$ 42,700
	Est. Project Costs				\$ 1,306,300				\$ 1,306,300
	Inflation Adjustment				\$ 52,252				\$ 52,252
	Total project cost				\$ 1,358,552				\$ 1,358,552
	10% Contingency				\$ 135,855				\$ 135,855
	10% Engineering				\$ 135,855				\$ 135,855
	Total Street Resurfacing - 2019-20				\$ 1,630,262				\$ 1,630,262
82	Prospect Court					\$ 29,200			\$ 29,200
82	Quaker Lane					\$ 114,100			\$ 114,100
82	South Parkway					\$ 169,500			\$ 169,500
82	Waterford Drive					\$ 60,000			\$ 60,000
83	Dale Avenue					\$ 244,700			\$ 244,700
83	School Street					\$ 183,000			\$ 183,000
83	Robyn Court					\$ 43,900			\$ 43,900
83	Thierry Lane					\$ 60,300			\$ 60,300
83	Winkelman Road					\$ 63,500			\$ 63,500
84	Galway Drive					\$ 53,500			\$ 53,500
84	Walden Lane					\$ 110,000			\$ 110,000
85	Compton Lane					\$ 43,400			\$ 43,400
	Estimated Project Costs					\$ 1,175,100			\$ 1,175,100
	Inflation Adjustment					\$ 95,888			\$ 95,888
	Total project cost					\$ 1,270,988			\$ 1,270,988
	10% Contingency					\$ 127,099			\$ 127,099
	10% Engineering					\$ 127,099			\$ 127,099
	Total Street Resurfacing - 2020-21					\$ 1,525,186			\$ 1,525,186

CITY OF PROSPECT HEIGHTS
Capital Improvements Plan, 2018-2023

Street Rating	Project Name	Alternate Funding Source	Amount Funded	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
85	Elaine Circle West						\$ 54,700		\$ 54,700
85	Elaine Circle East						\$ 60,200		\$ 60,200
85	North Parkway						\$ 135,100		\$ 135,100
85	Brian Lane						\$ 58,200		\$ 58,200
86	Marion Avenue						\$ 22,800		\$ 22,800
86	Olive Street						\$ 119,500		\$ 119,500
86	Leon Lane West						\$ 45,800		\$ 45,800
86	Leon Lane East						\$ 21,900		\$ 21,900
86	Leon Lane						\$ 45,000		\$ 45,000
86	Maple Street						\$ 33,700		\$ 33,700
86	Pinecrest Drive						\$ 58,300		\$ 58,300
86	West Circle Avenue						\$ 55,700		\$ 55,700
87	Burr Oak Lane						\$ 39,800		\$ 39,800
87	Lewis Isle Lane						\$ 29,100		\$ 29,100
87	Waterman Avenue						\$ 81,900		\$ 81,900
	Estimated Project Costs						\$ 861,700		\$ 861,700
	Inflation Adjustment						\$ 107,595		\$ 107,595
	Total project cost						\$ 969,295		\$ 969,295
	10% Contingency						\$ 96,930		\$ 96,930
	10% Engineering						\$ 96,930		\$ 96,930
	Total Street Resurfacing - 2021-22						\$ 1,163,154		\$ 1,163,154
(Note: This Street qualifies for Surface Transportation Program Funding. Application/Approval of the Northwest Council of Mayors is required, which would enable Prospect Heights to acquire an 80/20 funding ratio.)									
53/63	Seminole Lane (Old Willow)-Reconstruction Project	STP							
	Estimated Project Cost							\$ 1,230,300	\$ 1,230,300
	Inflation Adjustment							\$ 208,977	\$ 208,977
	Total project cost							\$ 1,439,277	\$ 1,439,277
	10% Contingency							\$ 143,928	\$ 143,928
	10% Engineering							\$ 143,928	\$ 143,928
	Total Seminole Lane (Old Willow)	NWCM	80/20					\$ 1,727,132	\$ 1,727,132
EOPC Totals:				\$ 1,349,880	\$ 1,630,262	\$ 1,525,186	\$ 1,163,154	\$ 1,727,132	\$ 7,395,615

Lake Clair Drainage Improvement Project: 2200 FT diameter storm sewer replacement at \$300/FT to connect Lake Clair basin to Clair Lane Park Basin. Analysis needed for evaluation of feasibility and outcome.

	Study	Dsgn. & Permit	Construction			
Engineering	\$35,000	\$45,000	\$45,000			\$125,000
Construction		\$660,000				\$660,000
EOPC Totals:	\$35,000	\$705,000	\$45,000	\$0	\$0	\$785,000

CITY OF PROSPECT HEIGHTS
Capital Improvements Plan, 2018-2023

Street Rating	Project Name	Alternate Funding Source	Amount Funded	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
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Willow Road Reconstruction and Storm Water Management Improvement, with Metropolitan Water Reclamation District and Cook County Department of Transportation Project: This project, in partnership with the Metropolitan Water Reclamation District and Cook County Department of Transportation, involves raising and reconstruction of Willow Road, Hillcrest and Owen at Hillcrest Lake. This area experiences chronic street flooding and closure during significant rainfall events. The project will involve raising the grade of the impacted streets, culvert replacement at Willow, and development of compensatory storm water detention areas. Project budgets for this work are still under construction.

Land			\$75,000						\$75,000
Engineering									\$0
Construction									\$0
Contingency									\$0
EOPC Totals:			\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000

Sidewalk Projects: The City has identified certain routes for the extension of sidewalks. For funding sidewalk projects, the City attempts to leverage grant funding to assist with the cost of these efforts.

Sidewalks			FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
Schoenbeck - Total \$300,674	Grant funding							
Schoenbeck - Local	Local share		\$79,279					\$79,279
Wolf Road - Total \$916,026	Grant funding							
Wolf Road	Local + Cook grant			\$190,705				\$190,705
Sidewalk Totals:			\$79,279	\$190,705	\$0	\$0	\$0	\$269,984

Sewer Televising & Mapping Project: Cleaning, televising and mapping of City sanitary sewers. This project entails development of a Geographic Information Systems layer for mapping and identification of the City's sanitary sewer system. This baseline data development will be followed by cleaning and televised inspection. The resulting product of this exercise will be the identification of necessary sewer rehabilitation and relining areas, to be used for a sanitary sewer capital improvements plan.

Sewer Improvements			FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
Land								
Engineering & Coordination	Sewer Fund	\$22,750	\$ 17,500	\$ 5,250				\$22,750
Cleaning, televising sanitary sewers	Sewer Fund	\$350,000	\$ 175,000	\$ 175,000				\$350,000
Equipment								
Contingency								
Sewer Improvement Totals:			\$ 192,500	\$ 180,250				\$ 372,750

Vehicle and Equipment Replacement Project: The vehicle & equipment replacement program identifies upcoming vehicle & equipment purchase needs. Items must be valued at \$25,000 or more.

Public Works Vehicle/Equipment			FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
Underbelly Snow Plows (\$34,000 EA)			\$68,000	\$68,000				\$136,000
4x4 Pickup/Plow (1997)			\$35,000					\$35,000
Sewer Truck (replace 1999)	Sewer Fund	\$350,000			\$350,000			\$350,000
Aerial Bucket Truck (1999)				\$90,000				\$90,000
Bobcat/attachments					\$65,000			\$65,000
Building Service Van (replace 1ton and crane)						\$26,000		\$26,000
Water Dept. Van (Replace 1999 pickup)							\$36,000	\$36,000
Public Works Vehicle/Equipment Totals:			\$103,000	\$158,000	\$415,000	\$26,000	\$36,000	\$738,000

CITY OF PROSPECT HEIGHTS
 Capital Improvements Plan, 2018-2023

Street Rating	Project Name	Alternate Funding Source	Amount Funded	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
	Police Vehicle/Equipment								
	Patrol Cars (\$32,000 EA)			\$64,000	\$64,000	\$64,000	\$64,000	\$64,000	\$320,000
Information Technology Equipment: While Information Technology equipment is often times less than the targeted \$25,000 threshold for inclusion in the capital budget, their inclusion as a CIP project enables the Council to view future need equipment and expenditures. For FY 2018-19, the proposed CIP Information Technology purchase provides for the replacement of desktop computer systems. Twenty three of these computers are for the Police Department. These Police computers are needed because the new Northwest Central Dispatch system will require Windows 10 compatibility.									
	Information Technology Equipment			FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	5yr Total
	Replacement computers (32)*			\$40,000					\$40,000
	Phone System				\$15,000				\$15,000
	PD Server & Dispatch Upgrade			\$10,000					\$10,000
	Wireless System Upgrade					\$10,000			\$10,000
	Firewall Upgrades for Departments					\$10,000			\$10,000
	Anti-Virus Server Upgrade						\$6,000		\$6,000
	Backup Server Upgrade						\$7,000		\$7,000
	City Hall and PW Server Upgrade							\$15,000	\$15,000
	Information Technology Equipment Totals:			\$50,000	\$15,000	\$20,000	\$13,000	\$15,000	\$113,000

* Twenty-three (23) computers have been identified for purchase from an alternate funding source: Police Drug Enforcement Agency Fund