



City of Big Rapids
Capital Improvement Plan
2017-2023

Big Rapids, Michigan You'll Love It Here

Acknowledgements

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Introduction

A Capital Improvements Plan (CIP) is a multi-year planning instrument used to identify needs and financing sources for public infrastructure improvements. The purpose of a CIP is to facilitate the orderly planning of infrastructure improvements; to maintain, preserve, and protect the community of Big Rapids existing infrastructure system; and to provide for the acquisition or scheduled replacement of equipment to ensure the efficient delivery of services to the community. The CIP is also utilized to ensure that capital improvements are fiscally sound and consistent with the goals and policies of the governing body and the residents of the community.

A comprehensive CIP is an essential tool for the planning and development of the social, physical, and economic wellbeing of the community. This process is a necessary step in an organized effort to strengthen the quality of public facilities and services; provide a framework for the realization of community goals and objectives; and provide a sound basis on which to build a healthy and vibrant community.

The CIP informs Big Rapids residents and stakeholders on how the municipality plans to address significant capital needs over the next six years. The CIP provides visual representations of the community's needs including maps that detail the timing, sequence, and location of capital projects. The CIP can also influence growth because infrastructure can impact development patterns.

Some of the many benefits that the CIP provides for the residents and stakeholders include:

- Optimize the uses of revenue
- Focus attention on community goals, needs, and capabilities
- Guide future growth and development
- Encourage efficient government
- Improve intergovernmental and regional cooperation
- Help maintain a sound and stable financial program
- Enhance opportunities for the participation in federal and/or state grant programs

The projects identified in the CIP represent the community's plan to serve residents and anticipate the needs of a dynamic community. Projects are guided by various development plans and policies established by the City Commission, Planning Commission, and Administration.

Plans and policies include:

Master Plan

HyettPalma Downtown Blueprint Update 2016

TIF Plan

Parks and Recreation Master Plan

Bicycle and Pedestrian Plan

Goals and Objectives of City Commission

Administrative Policies

Mission Statement

Preparation of the CIP is done under the authority of the Michigan Planning Enabling Act (PA 33 of 2008). The goal of the CIP should be to implement the master plan and to assist in the community's financial planning.

The CIP is dynamic. Each year all projects included within the CIP are reviewed, a call for new projects is made, and adjustments are made to existing projects arising from changes in the amount of funding required, conditions, or time line. A new year of programming is also added each year to replace the year funded in the annual operating budget.

The CIP program should continue to develop over time by adding features to gradually improve quality and sophistication. Greater attention shall be devoted to provide more detailed information about individual project requests, program planning, fiscal analysis, fiscal policies, and developing debt strategy.

CIP and Budget Process

The CIP plays a significant role in the implementation of a master plan by providing the link between planning and budgeting for capital projects. The CIP process precedes the budget process and is used to develop the capital project portion of the annual budget. Recommending approval of the CIP by the planning commission does not mean that they grant final approval of all projects contained within the plan. Rather by recommending approval of the CIP, the planning commission acknowledges that these projects represent a reasonable interpretation of the upcoming needs for the community and that projects contained in the first year of the plan are suitable for inclusion in the upcoming budget.

Priority rankings do not necessarily correspond to funding sequence. For example, a road-widening project which is ranked lower than a park project may be funded before the park project because the road project has access to a restricted revenue source, whereas a park project may have to compete for funding from other revenue sources. A project's funding depends upon a number of factors—not only its merit, but also its location, cost, funding source, and logistics.

The community of Big Rapids should strive to maximize resources by maintaining a balance between operating and capital budgets. A continuous relationship exists between the CIP and the annual budget. A direct link can be seen between the two documents, as there should be in a strategic planning environment. Budget appropriations lapse at the end of the fiscal year as the operating budget is funded with recurring annual revenues such as taxes, licenses, fines, user fees, and interest income.

Definition

For the purpose of developing a Capital Improvement Plan (CIP), capital improvements shall be defined as - facilities, structures, equipment, and improvements thereto having a useful life of at least three years and an acquisition cost of at least \$5,000.

CIP Process

Capital Improvements Plan Policy Group: reviews the policy, develops the project rating and weighting criteria, rates and weights project applications, reviews funding options, and presents the recommendation to the Administrative Group.

- Neighborhood Services Director
- City Treasurer
- Director of Public Works
- Deputy Director of Public Works
- Director of Public Safety
- Deputy Director of Public Safety
- Parks and Recreation Coordinator
- Information Technology Manager
- DART Supervisor
- Superintendent of Utilities
- Street Superintendent
- Planning Commission Representative (2)

Administrative Group: clarifies any issues, finalizes the ratings and brings the CIP draft forward at the planning commission public hearing.

- City Manager
- City Treasurer
- Neighborhood Services Director

Planning Commission: works with the policy group during the plan development, conducts workshops (if necessary), reviews the policy group's recommendation, receives public input, conducts public hearings, adopts the plan, and makes recommendations to the City Commission to consider incorporating funding for the first year projects into the budget plan.

City Commission: encouraged to use the CIP as a tool in the adoption of the annual budget process in accordance with the governing body goals and objectives.

Residents: encouraged to participate in plan development by working with various boards and commissions at the planning commission workshops, the planning commission public hearings, and at the governing body's budget workshops and public hearings. As always, communication is open between residents, governing body representatives, planning commission representatives, and staff.

Project Analysis and Prioritization

Upon receiving requests from various Departments for capital improvement funding, the Capital Improvements Plan Policy Group shall engage in a process of project prioritization utilizing the following review criteria:

1. Project is needed to comply with local, state, or federal law.
2. Project reduces future costs.
3. Project implements the Master Plan.
4. Project delivers level of service desired by community.
5. Project will result in Economic Development.

Projects will be ranked on a scale from 1-3, 1 will be the highest priority and 3 will be the lowest priority.

Capital Improvement Approval

While the Planning Commission will play an important role in developing a CIP, recommendations coming from the Planning Commission to the City Commission are purely advisory in nature. It is the sole responsibility of the City Commission to approve and adopt a CIP for any given year.

The Planning Commission held a Public Hearing on February 15, 2017 and unanimously recommended that the City Commission adopt the 2017-2023 Capital Improvement Plan.

The City Commission held a Public Hearing and adopted the Capital Improvement Plan on March 6, 2017.

Table 1. Summary of Available Funds for each budget year.

Budget Year							
CIP Projects	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	Total
General	\$173,500	\$115,000	\$107,500	\$200,000	\$95,000	\$80,000	\$771,000
Library	\$22,000	\$0	\$0	\$0	\$0	\$0	\$22,000
Dart	\$50,000	\$15,000	\$0	\$10,000	\$10,000	\$0	\$85,000
Motor Pool	\$200,000	\$145,000	\$145,000	\$160,000	\$240,000	\$315,000	\$1,205,000
Local Streets	\$62,300	\$112,000	\$436,100	\$301,500	\$526,600	\$209,000	\$1,647,500
Major Streets	\$115,000	\$187,000	\$90,000	\$163,000	\$32,000	\$85,000	\$672,000
Sewer Replacement	\$615,000	\$360,000	\$430,000	\$375,000	\$350,000	\$350,000	\$2,480,000
Water	\$55,500	\$227,500	\$224,300	\$400,000	\$400,000	\$400,000	\$1,707,300
Water Replacement	\$550,000	\$350,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,900,000
Airport	\$0	\$40,000	\$0	\$0	\$0	\$100,000	\$140,000
Total	\$1,843,300	\$1,551,500	\$1,682,900	\$1,859,500	\$1,903,600	\$1,789,000	\$10,629,800

Table 2. Summary of Capital Improvement Projects to be funded for each budget year.

Budget Year							
CIP Projects	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	Total
General	\$173,500	\$115,000	\$107,500	\$200,000	\$95,000	\$80,000	\$771,000
Library	\$22,000	\$0	\$0	\$0	\$0	\$0	\$22,000
Dart	\$50,000	\$15,000	\$0	\$10,000	\$10,000	\$0	\$85,000
Motor Pool	\$200,000	\$145,000	\$145,000	\$160,000	\$240,000	\$315,000	\$1,205,000
Local Streets	\$62,300	\$112,000	\$436,100	\$301,500	\$526,600	\$209,000	\$1,647,500
Major Streets	\$115,000	\$187,000	\$90,000	\$163,000	\$32,000	\$85,000	\$672,000
Sewer Replacement	\$615,000	\$360,000	\$430,000	\$350,000	\$350,000	\$200,000	\$2,305,000
Water	\$25,500	\$27,500	\$74,300	\$0	\$0	\$80,000	\$207,300
Water Replacement	\$542,000	\$330,000	\$234,900	\$0	\$66,000	\$110,000	\$1,282,900
Airport	\$0	\$40,000	\$0	\$0	\$0	\$100,000	\$140,000
Total	\$1,805,300	\$1,331,500	\$1,517,800	\$1,184,500	\$1,319,600	\$1,179,000	\$8,337,700

General Fund

The General Fund is the fund that is responsible for many of the daily operations of the City. The fund has three major revenue sources: property tax, income tax, and state shared revenue. Collectively, these three revenue items are responsible for 88% of General Fund income. Over the last five fiscal years, the revenue collected from these sources has increased a combined 3.58% although an upsurge in income tax collected is the main driver of this figure. The main driver of cost in the General Fund is public safety related expenditures which account for roughly 45% of the budget. As a best practice measure, the Government Finance Officers Association (GFOA) recommends retaining a fund balance of two months of operating expenses, equivalent to approximately \$1,300,000.

Projects marked with ** indicate multiple years of funding.

Projects marked with *** indicate project funding through multiple funds.

GENERAL FUND FISCAL YEAR 2017-2018

Cost	Department	Description
\$10,000	Public Works	Remove and replace hazardous areas on Riverwalk (Community Foundation Grant)
\$7,500	Public Works	Refurbish the staircase that brings people from Downtown to Mitchell Creek Park
\$25,000	Public Works	**Remarcite pool in deep end
\$25,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$8,000	Public Works	Mural on the Fairman Building (City Share \$8,000)
\$25,000	Public Safety	**Replace engine #2 (\$50,000 set aside)(truck replacement estimated at \$400,000 to \$600,000)
\$6,000	Public Safety	Purchase 5 new tasers
\$55,000	Public Works	Pave Swede Hill parking lot (grant funded - \$36,100 from Fremont Foundation, \$18,900 from Riverwalk Trail Head Access Funds)
\$12,000	Public Works	Alley paving, north of Oak Street, between Stewart and Ives
\$173,500	TOTAL	

GENERAL FUND FISCAL YEAR 2018-2019

Cost	Department	Description
\$30,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$15,000	Public Works	Demolition of MCACC building and restoration of slope
\$25,000	Public Safety	**Replace fire engine #2 (\$75,000 set aside)(Total cost is between \$400,000 and \$600,000)
\$20,000	Public Works	Maintain and upgrade Playscape in Hemlock Park
\$25,000	Public Works	**Remarcite pool in deep end (\$25,000 set aside) (Total project is \$200,000)
\$115,000	TOTAL	

GENERAL FUND FISCAL YEAR 2019-2020

Cost	Department	Description
\$30,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$25,000	Public Works	**Remarcite pool in deep end (\$50,000 set aside) (Total project is \$200,000)
\$25,000	Public Safety	**Replace fire engine #2 (\$100,000 set aside)(Total cost is between \$400,000 and \$600,000)
\$7,500	Public Works	Costs for engineering to design bridge for Clay Cliffs
\$20,000	Public Safety	Purchase 10 sets of turnout gear for fire
\$107,500	TOTAL	

GENERAL FUND FISCAL YEAR 2020-2021

Cost	Department	Description
\$30,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$25,000	Public Works	**Remarcite pool in deep end (\$75,000 set aside) (Total project is \$200,000)
\$25,000	Public Safety	**Replace fire engine #2 (\$125,000 set aside)(Total cost is between \$400,000 and \$600,000)
\$120,000	Public Safety	Replacement of self-contained breathing apparatus (SCBA) for fire
\$200,000	TOTAL	

GENERAL FUND FISCAL YEAR 2021-2022

Cost	Department	Description
\$30,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$25,000	Public Works	**Remarcite pool in deep end (\$100,000 set aside) (Total project is \$200,000)
\$25,000	Public Safety	**Replace fire engine #2 (\$150,000 set aside)(Total cost is between \$400,000 and \$600,000)
\$15,000	Public Safety	Replace service weapons used by police division
\$95,000	TOTAL	

GENERAL FUND FISCAL YEAR 2022-2023

Cost	Department	Description
\$30,000	Public Works	**Ongoing public sidewalk improvements to replace hazardous sidewalks
\$25,000	Public Works	**Remarcite pool in deep end (\$125,000 set aside) (Total project is \$200,000)
\$25,000	Public Safety	**Replace fire engine #2 (\$175,000 set aside)(Total cost is between \$400,000 and \$600,000)
\$80,000	TOTAL	

LIBRARY FUND

The Library Fund is responsible for the operation and maintenance of the Big Rapids Community Library. The Library is funded by several different sources: one mill levied by the City of Big Rapids, penal fines distributions, state aid, a 0.2 mill levy from the Charter Township of Big Rapids, and a subsidy from the City’s General Fund. Currently, salaries, fringe benefits, and library materials comprise a majority of the Library’s budget. In 2014, the City issued bonds in the amount of \$530,000 to renovate the existing facility. The Library Fund is responsible for the debt service associated with this bond issue.

LIBRARY FUND FISCAL YEAR 2017-2018

Cost	Department	Description
\$22,000	Library	Replace the library roof
\$22,000	TOTAL	

DART FUND

The City's transit system has been providing "curb to curb" public transportation services to the Big Rapids community since March of 1975. More than 3.5 million passengers have used our service, which is considered safe, dependable and affordable transportation. Many of our patrons use Big Rapids Dial-A-Ride as their sole source for fulfilling their shopping, medical, education and socializing needs. Big Rapids Dial-A-Ride is a shared ride, demand response public transportation service. The intent of the shared ride system is for patrons to call for a ride and then share the ride with others who are grouped with them to their destinations. This is one of the many assets that separate the City of Big Rapids from other cities in our area. The ability to get anywhere in the City of Big Rapids whether you are in a wheelchair or even if you are unable to drive for any reason, our public transportation system is able to get you where you need to go.

DART is funded from different sources, this year MDOT (Michigan Department of Transportation) supported about 36% and Federal funds supported 16%, the rest was funded from Passenger fares and the City of Big Rapids General Funds.

DART FUND FISCAL YEAR 2017-2018

Cost	Department	Description
\$50,000	Dart	Construct garage on the back of the current property to house buses, \$250,000 grant and \$100,000 from general fund
\$50,000	TOTAL	

DART FUND FISCAL YEAR 2018-2019

Cost	Department	Description
\$15,000	Dart	New software programs for bus mechanics and laptop to use
\$15,000	TOTAL	

DART FUND FISCAL YEAR 2020-2021

Cost	Department	Description
\$10,000	Dart	New hoist for mechanics
\$10,000	TOTAL	

DART FUND FISCAL YEAR 2021-2022

Cost	Department	Description
\$10,000	Dart	Air compressor for the garage
\$10,000	TOTAL	

MOTOR POOL

DPW Motor Pool maintains a variety of different vehicles and equipment. There are 7 Dial-A-Ride buses, 44 pickups and cars, 4 Wheel loaders and Backhoes (with several attachments), 7 Dump trucks with plows, scrapers and spreaders. The Motor Pool also maintains everything from your garbage truck all the way down to a chainsaw. There are a total of 239 different pieces of equipment. All vehicles are set up on a 3,000 or 5,000-mile maintenance program depending on the vehicle.

We also perform a State Safety inspection every 6 months on all Dial-A-Ride buses. All other equipment is on an annual or seasonal maintenance program.

MOTOR POOL FISCAL YEAR 2017-2018

Cost	Department	Description
\$25,000	Public Works	Replace dump box for truck #106
\$45,000	Public Works	Replace truck 201, 2005 model with 64,000 miles
\$55,000	Public Works	Replace 306 2008 New Holland tractor
\$35,000	Public Safety	New police car
\$40,000	IT	Purchase used cargo van for IT
\$200,000	TOTAL	

MOTOR POOL FISCAL YEAR 2018-2019

Cost	Department	Description
\$25,000	NBHD SVC	Replace 2000 ford pickup for Neighborhood Services
\$30,000	Public Works	Replace 2005 dodge pickup #209
\$65,000	Public Safety	Replace 2 police cars
\$25,000	City Hall	Replace staff car #415 at City Hall
\$145,000	TOTAL	

MOTOR POOL FISCAL YEAR 2019-2020

Cost	Department	Description
\$45,000	Public Works	Replace sewer jet, 1997 - 20 years old
\$35,000	Public Safety	Replace 1 police car
\$30,000	Public Safety	Replace 1 police car for detective, 2010
\$35,000	Public Works	Replace a 3/4 ton pickup, 2004
\$145,000	TOTAL	

MOTOR POOL FISCAL YEAR 2020-2021

Cost	Department	Description
\$45,000	Public Works	Replace 1991 blacktop roller
\$50,000	Public Works	Replace 11 ft. lawn mower
\$65,000	Public Safety	Replace 2 police cars
\$160,000	TOTAL	

MOTOR POOL FISCAL YEAR 2021-2022

Cost	Department	Description
\$200,000	Public Works	Replace street sweeper
\$40,000	Public Safety	Replace 1 police car
\$240,000	TOTAL	

MOTOR POOL FISCAL YEAR 2022-2023

Cost	Department	Description
\$65,000	Public Safety	Replace 2 police cars
\$250,000	Public Works	Replace 2 dump trucks
\$315,000	TOTAL	

LOCAL AND MAJOR STREETS

The Michigan Department of Transportation, by means of Public Act 51, requires that each incorporated city and village submit an annual report to the State Transportation Commission identifying any changes made to the mileage of their street system. Changes to the street system, if they meet the States specification, are reflected on a Certified Mileage Map for the City. The City currently has 37.90 miles of certified streets of which 14.50 miles are recognized and major streets and 23.40 miles are local streets. Brookside Court was added to the City’s certified street system in August 2016 resulting in an addition of 0.11 miles to local street. The following streets have been added to MDOT’s Certified Street Map for the City under local streets:

Venlo Drive, 2008	.10 mile
Hanson Street, 2012	.03 miles
Fourth Avenue, 2012	.40 miles
Glen Elm Court, 2012	.08 miles
Mitchell Court, 2012	.17 miles
Cypress Court, 2012	.06 miles
Harrison Street, 2012	.02 miles
Brookside Court, 2016	.11 miles
TOTAL	.97 miles

The mileage for major and local streets is used in a formula to determine Act 51 revenues. These revenues are derived by taxes imposed directly or indirectly on fuels sold or used to propel motor vehicles.

LOCAL STREETS FISCAL YEAR 2017-2018

Cost	Department	Description
\$26,300	Public Works	Resurface Mason Industrial Drive
\$36,000	Public Works	Reconstruct the 600, 700, and N 1/2 of the 800 block of Clark Street (total project cost is \$180,000 - grant funded 20% match)
\$62,300	TOTAL	

LOCAL STREETS FISCAL YEAR 2018-2019

Cost	Department	Description
\$23,000	Public Works	Resurfacing Green Street from Fuller Ave and extending to mid-block between Woodward and Spring
\$55,000	Public Works	Resurface Spring Street from State to Escott
\$34,000	Public Works	***Mill and fill on N Michigan, Bellevue, N Warren and E Grand Traverse (additional funding - Major Streets)
\$112,000	TOTAL	

LOCAL STREETS FISCAL YEAR 2019-2020

Cost	Department	Description
\$63,600	Public Works	Reconstruction of Jefferson Street - Special Assessment
\$250,000	Public Works	Reconstruction of Olaf Street - Special Assessment
\$13,500	Public Works	Resurfacing Chestnut, 500 block
\$40,000	Public Works	Resurface Division Street from Perry to Fuller
\$42,000	Public Works	Resurface Division from Fuller to Woodward
\$27,000	Public Works	Resurface Division Street from Woodward to Rust Avenue
\$436,100	TOTAL	

LOCAL STREETS FISCAL YEAR 2020-2021

Cost	Department	Description
\$38,000	Public Works	Resurface Water Tower Road
\$70,000	Public Works	Resurface Locust Street from State Street to Winter Ave
\$13,500	Public Works	Resurface Hutchinson Street from Sanborn Ave to Rust Ave
\$180,000	Public Works	Reconstruct the 300 and 400 blocks on S Warren Ave
\$301,500	TOTAL	

LOCAL STREETS FISCAL YEAR 2021-2022

Cost	Department	Description
\$32,600	Public Works	Resurface Escott Street from Fuller to Woodward
\$417,000	Public Works	Reconstruction of Waterloo Street from Rose to Sheridan - Special Assessment
\$77,000	Public Works	Resurface River Street from Elm to Chestnut
\$526,600	TOTAL	

LOCAL STREETS FISCAL YEAR 2022-2023

Cost	Department	Description
\$20,000	Public Works	Resurface Mecosta Ave from Oak to Birch
\$60,000	Public Works	Resurface Willow Ave from Oak Street to south end
\$9,500	Public Works	Resurface Cherry Ave south of Cypress
\$25,500	Public Works	Resurface Novak Lane
\$60,000	Public Works	Resurface Winter Avenue from Oak to south end
\$34,000	Public Works	Resurface Winter Avenue from Elm to Locust
\$209,000	TOTAL	

MAJOR STREETS**MAJOR STREETS FISCAL YEAR 2017-2018**

Cost	Department	Description
\$80,000	Public Works	***Watermain improvements and road reconstruction on Ives Ave from Magnolia Street to State Street (including Magnolia Street to Winter Avenue) (additional funding - Water Replacement Fund)(total project cost is 1.2 million)
\$35,000	Public Works	Reconstruct Ives Ave from Oak Street to State Street (Total cost is \$210,000, \$175,000 STP grant)
\$115,000	TOTAL	

MAJOR STREETS FISCAL YEAR 2018-2019

Cost	Department	Description
\$165,000	Public Works	Reconstruct the 500 and 600 block of S Michigan Avenue
\$22,000	Public Works	***Mill and fill on N Michigan, Bellevue, N Warren and E Grand Traverse (additional funding - Local Streets)
\$187,000	TOTAL	

MAJOR STREETS FISCAL YEAR 2019-2020

Cost	Department	Description
\$90,000	Public Works	Resurface Maple Street from Third Ave to Bronson Ave
\$90,000	TOTAL	

MAJOR STREETS FISCAL YEAR 2020-2021

Cost	Department	Description
\$73,000	Public Works	Resurface Michigan Ave from Bellevue to Pocket Park
\$90,000	Public Works	Resurface Colburn Avenue from Third Ave to City Limits
\$163,000	TOTAL	

MAJOR STREETS FISCAL YEAR 2021-2022

Cost	Department	Description
\$32,000	Public Works	Resurface Osceola from EGT to Waterloo
\$32,000	TOTAL	

MAJOR STREETS FISCAL YEAR 2022-2023

Cost	Department	Description
\$85,000	Public Works	Resurface Elm Street from State to River
\$85,000	TOTAL	

SEWER REPLACEMENT

The purpose of the Big Rapids Wastewater Collection System and Treatment Plant is to protect public health and preserve the aquatic environment, thereby enhancing the quality of life for area residents. The entire Wastewater system serves an eleven-square mile area, which encompasses three political entities. These three jurisdictions include the City of Big Rapids, Big Rapids Charter Township, and Green Charter Township. Each of the three communities own and operate their own wastewater collection systems, including gravity sewers, pumping stations, and force mains. The City of Big Rapids owns and operates the Publicly-Owned Treatment Works (POTW), known as the Waste Water Treatment Plant (WWTP). Treatment agreements between the City of Big Rapids and the Townships allocate a specified portion of the trunk sewer and treatment plant capacity for use by the Townships. The wastewater system is divided functionally into collection, pumping, treatment, customer services, industrial pretreatment, and administration.

A population of approximately 20,000 is served by the wastewater collection and treatment system. The entire collection system consists of approximately 33 miles of gravity and force sewer mains, including 15 lift stations. The City of Big Rapids owns and operates 5 lift stations, Big Rapids Charter Township owns and operates 9 lift stations, and Green Charter Township owns and operates 1 lift station. The majority of users are domestic, in addition to approximately 465 non-domestic users, some significant users and one categorical user.

SEWER REPLACEMENT FISCAL YEAR 2017-2018

Cost	Department	Description
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, 400 ft., 2nd and 3rd Avenue
\$130,000	WWTP	Replace steel sewer main crossing Mitchell Creek
\$10,000	WWTP	Replace BOD Incubators for the WWTP lab
\$100,000	WWTP	**Rehab sludge storage tank(\$315,000 total project) (\$100,00 set aside in 17/18, \$100,000 IN 18/19, \$115,000 IN 19/20)
\$140,000	WWTP	Replace North State Lift Station (Supervisors Park)(split with Township)
\$10,000	WWTP	Replace lab water machine for WWTP lab
\$75,000	WWTP	Blast and coat final Clarifier bridge structure and replace handrails
\$50,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$615,000	TOTAL	

SEWER REPLACEMENT FISCAL YEAR 2018-2019

Cost	Department	Description
\$100,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$100,000	WWTP	**Rehab sludge storage tank(\$315,000 total project) (\$100,00 set aside in 17/18, \$100,000 IN 18/19, \$115,000 IN 19/20)
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, 400 ft., Clark Street
\$60,000	WWTP	**Replace Waterloo Lift Station (\$60,000 IN 18/19, \$65,000 IN 19/20) (\$125,000 total project)
\$360,000	TOTAL	

SEWER REPLACEMENT FISCAL YEAR 2019-2020

Cost	Department	Description
\$50,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, 400 ft., Clark Street
\$115,000	WWTP	**Rehab sludge storage tank(\$315,000 total project) (\$100,00 set aside in 17/18, \$100,000 IN 18/19, \$115,000 IN 19/20)
\$65,000	WWTP	**Replace Waterloo Lift Station (\$60,000 IN 18/19, \$65,000 IN 19/20) (\$125,000 total project)
\$100,000	WWTP	Replace Novak lift station
\$430,000	TOTAL	

SEWER REPLACEMENT FISCAL YEAR 2020-2021

Cost	Department	Description
\$100,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, 400 ft., Bailey Street
\$150,000	WWTP	Replace Sieve Drum Concentrator machine
\$350,000	TOTAL	

SEWER REPLACEMENT FISCAL YEAR 2021-2022

Cost	Department	Description
\$50,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$200,000	WWTP	Renovate Headworks Vortex Grit Chamber and install new Chamber machinery
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, Bailey Street, Dexter Avenue, and Fuller Street
\$350,000	TOTAL	

SEWER REPLACEMENT FISCAL YEAR 2022-2023

Cost	Department	Description
\$100,000	WWTP	**Replace screw pumps (\$50,000 set aside in 16/17, \$50,000 set aside in 17/18, \$100,000 set aside in 18/19, \$50,000 set aside in 19/20, \$100,000 set aside in 20/21, \$50,000 set aside in 21/22, \$100,000 set aside in 22/23) (Total project is \$200,000)
\$100,000	WWTP	Wastewater Asset Management sewer televising and lining, 400 ft., Escott Street and Clark Street
\$200,000	TOTAL	

WATER FUND

The Water Fund is responsible for the operation and maintenance of the City's Water Treatment Plant, the distribution lines from the plant, and upkeep of four water towers. The Water Fund's major revenue source is the rates for usage collected from roughly 2,200 customers. Each year, rates are reviewed to correctly account for the funds necessary to operate and maintain the plant. The Water Fund has three main cost centers: Production, Transmission, and Customer Service. Production accounts for approximately 44% of the budget while Transmission and Customer Service make up 25% and 1% respectively. The Water Fund is also liable for debt service payments to the Water Debt Service Fund and transfers to the Water Replacement Fund to replace capital outlay related to the water system.

WATER FUND FISCAL YEAR 2017-2018

Cost	Department	Description
\$15,000	WTP	Install security cameras at all four water tower sites and out at the well house
\$10,500	WTP	Add cathodic protection to the 1.0 million gallon reservoir at the water plant
\$25,500	TOTAL	

WATER FUND FISCAL YEAR 2018-2019

Cost	Department	Description
\$12,500	WTP	Purchase a new zero turn lawn mower
\$15,000	WTP	Repave parking lot at water plant
\$27,500	TOTAL	

WATER FUND FISCAL YEAR 2019-2020

Cost	Department	Description
\$44,300	WTP	Construct a bulk water filling station. Water available for tanker trucks 24/7
\$30,000	WTP	Replace water plant truck #205
\$74,300	TOTAL	

WATER FUND FISCAL YEAR 2022-2023

Cost	Department	Description
\$80,000	WTP	Provide new 2,000 gpm pump and 100 hp motor at State Street Booster Pump Station
\$80,000	TOTAL	

WATER REPLACEMENT FUND

The Water Replacement Fund exists to account for the replacement of capital items throughout the water system. It is funded annually by a quarterly transfer from the Water Fund. The City has a goal to deposit \$250,000 per year into this fund to properly upkeep the water system. Expenditures are determined annually via the capital improvement process. Projects are given approval by a committee based on available funding and necessity for improvement.

WATER REPLACEMENT FUND FISCAL YEAR 2017-2018

Cost	Department	Description
\$8,000	WTP	Replace the R.O. unit in the lab
\$100,000	WTP	**Repaint exterior of State Street water tower (\$100,000 set aside in 17/18, \$250,000 in 18/190 (Total project is \$350,000)
\$160,000	Public Works	***Watermain improvements and road reconstruction on Ives Ave from Magnolia Street to State Street (including Magnolia Street to Winter Avenue) (additional funding - Major Streets) (total project cost is 1.2 million)
\$230,000	Public Works	Watermain improvements on Ives Ave. from Oak Street to Magnolia Street
\$44,000	Public Works	Install 8 inch watermain on Clark Street (Total project \$220,000, 20% grant match)
\$542,000	TOTAL	

WATER REPLACEMENT FUND FISCAL YEAR 2018-2019

Cost	Department	Description
\$250,000	WTP	**Repaint exterior of State Street water tower (\$100,000 set aside in 17/18, \$250,000 in 18/19) ((Total project is \$350,000)
\$80,000	WTP	Repaint the exterior of the 1.0 million gallon resevoir
\$330,000	TOTAL	

WATER REPLACEMENT FUND FISCAL YEAR 2019-2020

Cost	Department	Description
9,900	WTP	Replace HVAC recirculating pumps
225,000	WTP	Replace 1,600 gpm high service pump with a 2,500 gpm pump
234,900	TOTAL	

WATER REPLACEMENT FUND FISCAL YEAR 2021-2022

Cost	Department	Description
\$66,000	WTP	Replace all lights and fixtures in the plant with new LED
\$66,000	TOTAL	

WATER REPLACEMENT FUND FISCAL YEAR 2022-2023

Cost	Department	Description
\$110,000	WTP	Repaint both clarifiers at water plant
\$110,000	TOTAL	

AIRPORT FUND

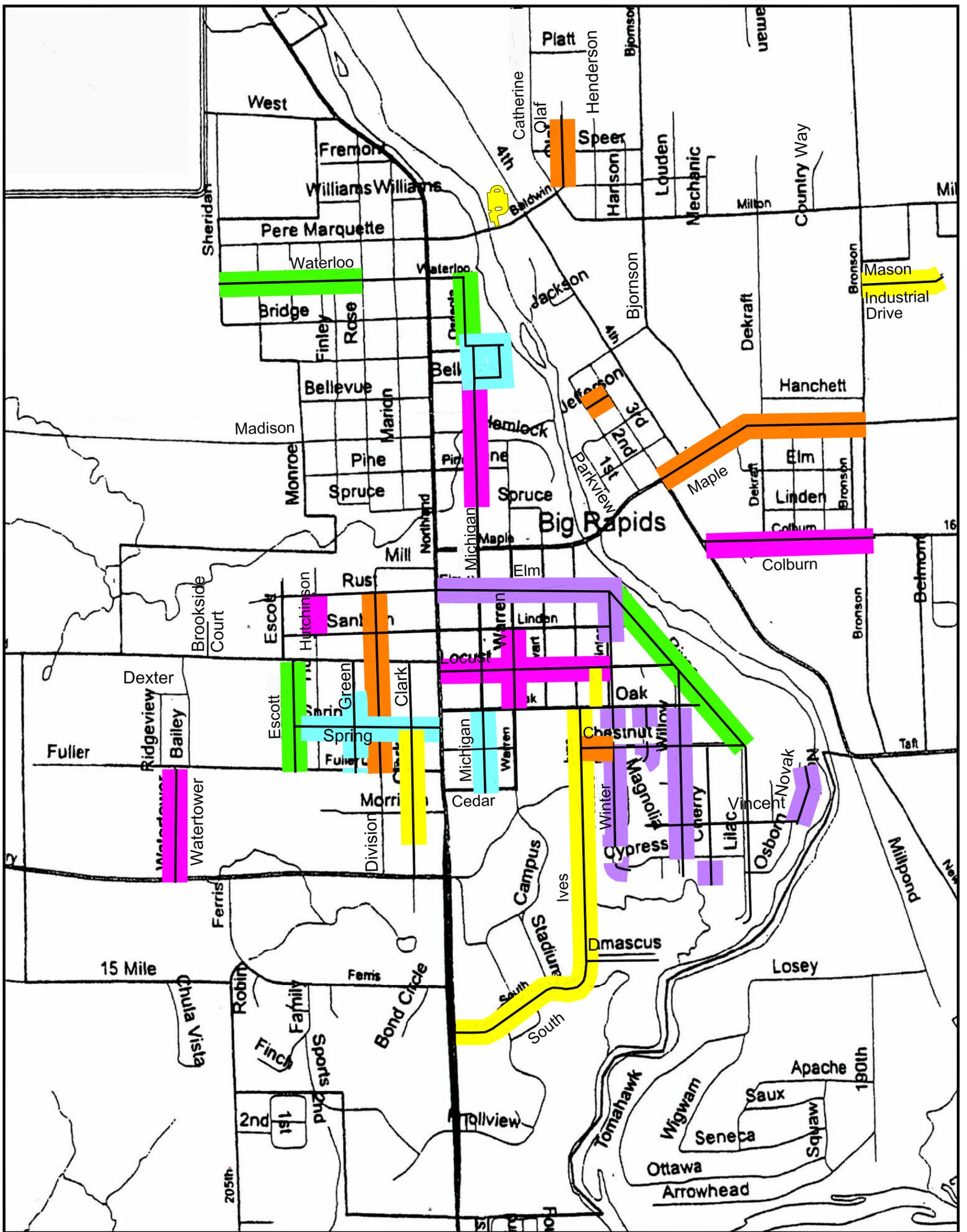
The Airport Fund is responsible for the operation and maintenance of Robenhood Airport. The City contracts with a fixed based operator to oversee the function of the airport. It is funded through fuel sales, rent from hangar leases, and subsidies from the City's General Fund. The main drivers of costs are the fees for the Fixed Based Operator, fuel purchases, and debt service on the Community Hangar.

AIRPORT FUND FISCAL YEAR 2018-2019

Cost	Department	Description
\$40,000	Public Works	Runway 32-14 rehab. Remove and replace top asphalt surface. Total cost \$800,000, city share 5%
\$40,000	TOTAL	

AIRPORT FUND FISCAL YEAR 2022-2023

Cost	Department	Description
\$100,000	Public Works	Extend 4,300-foot runway an additional 700 feet for a total length of 5,000 feet
\$100,000	TOTAL	



CIP's FY's 2017 through 2023

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