

St. Joseph Capital Improvements Plan

Capital Improvement Plan Executive Summary - April 2022

A Capital Improvement Plan (CIP) is a flexible six-year planning document reviewed annually. It provides the framework for the realization of community goals and objectives and provide a sound basis on which to build a healthy and vibrant community while relying on adopted plans and policies. It helps to prioritize long term complex or delicate needs that may not appear in annual operating budgets by facilitating the orderly planning of infrastructure improvements; to maintain, preserve and protect the city's infrastructure system; and to provide for the acquisition or scheduled replacement of equipment to ensure the efficient delivery of services to the community.

The Michigan Planning Enabling Act (P.A. 33 of 2008, as amended), requires communities in the state to create the capital improvement plan (CIP). As such, each year as part of the annual budget process, City staff also prepares a Capital Improvement Plan (CIP) for review and approval by the City Commission.

The City of St. Joseph's CIP consists of six classifications for types of projects.

General Project Areas

1. Administrative
2. Downtown
3. Parks and Recreation
4. Public Safety
5. Public Works
6. Infrastructure

To qualify as a CIP the project must meet one of the four standards.

Standards

1. Any acquisition of land for a public purpose.
2. Any construction of a new facility (a public building, infrastructure: road, sewer, water or fiber; a playfield, or an addition to, or an extension of, such a facility).
3. A nonrecurring rehabilitation (something which is infrequent and would not be considered annual or other recurrent maintenance) or major repair of all or part of a building, its grounds, or other facility, provided that the cost is \$10,000 or more and the improvement will have a useful life of three years or more.
4. Any planning, feasibility, engineering, or design study related to an individual capital improvement project or to a program that is implemented through individual capital improvement projects.

What is a Capital Improvement Plan (CIP)

A Capital Improvement Plan (CIP) is a flexible six-year planning document reviewed annually. It provides the framework for the realization of community goals and objectives and provides a sound basis on which to build a healthy and vibrant community while relying on adopted plans and policies. It helps to prioritize long term sensitive needs that may not appear in annual operating budgets by facilitating the orderly planning of infrastructure improvements; to maintain, preserve and protect the city's infrastructure

system; and to provide for the acquisition or scheduled replacement of equipment to ensure the efficient delivery of services to the community.

CIP projects can be altered from year to year in response to the changing needs of the community and money available to do the work. The financial amounts provided are based on estimates for the current year and typically increase into the future. Many capital improvements require ongoing operational and/or maintenance costs which will then need to be added to the operating budget of the appropriate department. Like many communities, numerous projects remain unfunded from year to year.

Finally, the CIP helps promote transparency by serving as a resource for the public to consult to better understand how capital improvements such as roads, emergency service vehicles, park improvements and other major items are planned for, bought, and financed by the City. It also helps create a history for when there are changes to elected and appointed officials along with staff. As institutional knowledge that was once held by individuals disappears, a CIP can be an important resource for sustaining efforts and helping with succession. After each program year, completed projects are removed and a new year is added allowing additional projects to be considered.

Benefits of a Capital Improvement Plan

All communities need to develop a Capital Improvement Plan (CIP). With time, public facilities need major repair, replacement or expansion. Maintaining and upgrading a community's capital stock requires significant financial investment. This investment must be weighed against other community needs and analyzed in light of community goals. The City of St. Joseph, like many cities, is under pressure to make efficient use of capital resources and must make difficult choices. There are more needs than can be satisfied at once, and the selection of one investment over another may shape the development of the City for years to come. The benefits of this systematic approach to planning capital projects include the following:

- Helps to inform residents and stakeholders on how the city plans to address significant capital needs and projects over the next six years
- Encourages the most efficient government by requiring multi-year planning and assists in maintaining a sound and stable community financial program.
- Focuses attention on long-term community goals, needs and capabilities as outlined in adopted plans and policies.
- Includes projects that are regulatory mandates.
- Calls attention to the unmet needs of the City and stimulates corrective action.
- Ensures that public improvements are undertaken in the most desirable and efficient order of priority.
- Provides adequate time for planning and engineering of proposed projects, which enhances opportunities for participation in federal, state or local grant-in-aid programs along with other private grant opportunities
- Optimizes use of the taxpayer's dollar while allocating resources across competing demands.
- Focuses attention on the long-term issues and implementations of the needs associated with financing resources which can help to pay for projects as funds are available thus creating an overall savings being realized and avoiding interest and other costs associated with issuing debt.
- Ensures the maximum benefit of the monies expended for public improvements.

Adopted plans and policies used to create the CIP

The projects identified in the CIP represent the community's plan to serve residents and anticipate the needs of the community. Projects are guided by various development plans and policies established by the City Commission along with appointed boards and commissions and city staff. While the adopted master plan provides much of the guidance for the preparation of the CIP, the City also relies on several other adopted plans and policies which include:

- 2016 Master Plan (June 2016)
- Downtown Vision Master Plan (Jan 2020)
- Parks and Recreation Master Plan 2021-2025 (Jan 2021)
- Asset Management Plan (2017)
- Established Goals and Objectives of the Commission
- Administrative policies

Establishment of CIP Review Policy

To assist the Management Team in the final ranking of project, the following Review Policy was created. The following goals and policy statements are intended to be the basis for deliberation and can change over time as the defined adopted plans and policies are updated. Many of the statements are also included under "Benefits of a CIP"

1. Goal - Identify projects that reflect capital needs as demonstrated in adopted plans and policies of the City.

Policy - City departments are responsible for different goals, objectives and policies found in adopted plans and policies. Care should be taken to create projects that consistently meet the objectives and policies of the adopted plans, specifically the adopted master plan.

Policy - Projects should be evaluated in relation to each other before consideration is given to available financing.

2. Goal - Prioritize capital projects that provide substantial public benefit and implement the primary goals and objectives of adopted plans and policies.

Policy - Projects that are necessary to protect against a clear and immediate risk to public health or safety or are mandated by state or federal law shall be given highest priority.

Policy - Projects that are regulatory mandated to be completed will be given higher priority.

Policy - Projects that can demonstrate a net savings in operation and maintenance costs normally will be supported over other projects of similar ranking and funding need.

Policy - Projects that maintain or improve existing infrastructure normally will take precedence over projects that create or expand facilities.

Policy - Projects that provide the most benefit to the entire community normally will be supported over other projects of similar ranking and funding.

Policy - Projects that reduce impacts on or improve the environment, or that reduce energy consumption will receive higher consideration.

3. Goal - Practice fiscal conservancy by restricting funding for new large-scale projects; focus resources on maintaining current capital assets while managing the different

aspects associated with some projects.

State of Michigan legislation for the creation of a Capital Improvement Plan (CIP)

The Michigan Planning Enabling Act (P.A. 33 of 2008, as amended), requires communities in the state to create the capital improvement plan (CIP). Following is language from Section 125.3865 Capital improvements program of public structures and improvements; preparation; basis of the Planning Enabling Act:

125.3865 Capital improvements program of public structures and improvements; preparation; basis. Sec. 65. (1) To further the desirable future development of the local unit of government under the master plan, a planning commission, after adoption of a master plan, shall annually prepare a capital improvements program of public structures and improvements, unless the planning commission is exempted from this requirement by charter or otherwise. If the planning commission is exempted, the legislative body either shall prepare and adopt a capital improvements program, separate from or as a part of the annual budget, or shall delegate the preparation of the capital improvements program to the chief elected official or a nonelected administrative official, subject to final approval by the legislative body. The capital improvements program shall show those public structures and improvements, in the general order of their priority that in the commission's judgment will be needed or desirable and can be undertaken within the ensuing 6-year period. The capital improvements program shall be based upon the requirements of the local unit of government for all types of public structures and improvements. Consequently, each agency or department of the local unit of government with authority for public structures or improvements shall upon request furnish the planning commission with lists, plans, and estimates of time and cost of those public structures and improvements.

City Commission and staff responsible for the creation of the CIP

Within Chapter IX of the City Charter, the responsibility of capital improvements has been delegated to the City Commission and staff.

History of the CIP in the City

While the planning and purchasing of large items and projects has always taken place, a formal document was first introduced in the 2014-2015 budget. Since that time, the staff has prepared a draft CIP and presented it to the City Commission annually for review, discussion and adoption.

Changes made to the CIP

Although the Michigan state statute that directs communities to prepare a program of capital improvements is relatively vague, there are a number of best practices that have been developed and promoted by supportive agencies and organizations, such as the Michigan Association of Planning (MAP) and the Michigan Economic Development Corporation's (MEDC) *Redevelopment Ready Communities* (RRC) program. In order to be eligible for some state funding through the MEDC, communities with traditional downtowns are required to participate in the RRC program and obtain certified status. In September 2017, the City of St. Joseph made application and received its initial RRC review in December 2018. Within this review, the MEDC - RRC found the city's CIP is not adequate

to meet the minimum requirements.

As such, this updated format is in response to the need to become RRC Certified and to better communicate the future large purchases and projects to the community. RRC has provided a list of best practices which must be included in the plan's development to maintain an RRC-compliant document. The basic framework of those best practices is listed below and have been incorporated into this plan. In addition, the City was also able to purchase a software package to help in the creation and management of the different data and requests received. Below are the four "Best Practices 1.1 - The Plans - Capital Improvement Plans":

- The capital improvement plan details a minimum of six years of public structures and improvements and is reviewed annually.
- The capital improvement plan coordinates projects to minimize construction costs.
- The capital improvement plan coordinates with the master plan and budget.
- The capital improvement plan is accessible online.

Qualifications to be considered a capital improvement

To be considered a CIP project in the City of St. Joseph, the project or purchase must meet one of the five standards listed below. Projects or purchases that do not meet the minimum standards become part of the general operating budget.

1. Any acquisition of land for a public purpose.
2. Any construction of a new facility (a public building, infrastructure: road, sewer, water or fiber; a playfield, or an addition to, or an extension of, such a facility).
3. A nonrecurring rehabilitation (something which is infrequent and would not be considered annual or other recurrent maintenance) or major repair of all or part of a building, its grounds, or other facility, provided that the cost is \$10,000 or more and the improvement will have a useful life of three years or more.
4. Any planning, feasibility, engineering, or design study related to an individual capital improvement project or to a program that is implemented through individual capital improvement projects.

Classification of CIP projects

The CIP has established six classifications for funding. In several cases, the classification easily suggests the responsible department or type of activity proposed. Within each classification is a list of the proposed projects that have been created and is updated annually. It is the intent that the seven classifications help to create transparency on how money is allocated.

- 1, Administrative. Project under administrative typically include software implementation costs, administrative equipment, costs related to communication and policies and procedures and costs associated with the creation of necessary planning documents or future projects.
2. Downtown. Future projects within this classification can easily be tied back to the Downtown Vision Master Plan adopted in January 2020. The City is responsible for many aspects of the downtown. Projects listed within this classification include both upkeep activities such as parking lot restoration or

creation/manufacturing of new wayfinding signage.

3. Parks and Recreation. The City of St. Joseph is responsible for 17 parks on 200 acres. These parks are found throughout the community and over time all require upgrades to equipment and buildings. The City adopted a 5-year parks plan in January 2021. Many projects fall under the activity's goals listed.
4. Public Safety. The City is responsible for providing public safety police and fire support to the community. Many of the items found within this classification relate to continued need to protect the residents and visitors to the city.
5. Public Works. The Public Works Department is responsible for the maintenance and repair of some city owned buildings and facilities not otherwise classified as Parks and Recreation facilities.
6. Infrastructure. This is the costliest of the seven classifications. The city has 43 miles of public roads. It represents projects that include underground utility work such as sewer and water line repair and replacement along with street maintenance, repair, and reconstruction. Great care has been taken to coordinate projects to extend the useful life of a street. In addition, when possible, reconstruction projects take place at the end of the useful life of the infrastructure. In addition, this classification includes the Water Treatment Plant which provides safe drinking water to residents of the City of St. Joseph, as well as the townships of Lincoln, St. Joseph and Royaltown. Reconstruction projects begin years before any actual construction work takes place. Monies for these projects come from several places.

CIP Annual Calendar

To allow sufficient time for the creation/update of the CIP the following calendar has been established:

December Call for projects
January Project Priority by Management Team
February Creation of Final Rankings
March Review of Draft Recommendations
April Review of Final Recommendations
May Adoption of CIP and Annual Operating Budget by City Commission

Process for creation of CIP

Several steps are involved in the creation of the CIP that allows city departments to request funding.

1. Project Worksheets

Project worksheets were created in the past which standardizes the information to be submitted. Information required includes:

Project Title Justification Score by Department¹
Projected Total Cost Department Name
FY Introduced Project ID

Staff Contact Project Description
Adopted Plan Reference Project Schedule
Detail Cost and Funding Photograph, Illustration or Map
Project Priority (to be completed by Management Team)

Justification Scores are assigned for each project by the submitting departments and are based on a score given to indicate how the project helps to achieve each of the five value statements:

Scoring

- 0 = Not Applicable
- 1 = Very Important
- 2 = Important
- 3 = Moderately Important

Value statements

1. Protect health, safety, lives of citizens
2. Maintain or improve public infrastructure with preventive maintenance program for new construction/installation
3. Reduce energy consumption, impact of the environment
4. Enhance social, cultural, recreational or aesthetic opportunities
5. Improve customer service, convenience for citizens

The maximum total justification score for a project is fifteen (15). Projects receiving a score of 15 would indicate that all five criteria were viewed as “very important” by the submitting department.

2. Call for Projects

The Finance Director creates the annual budget development schedule and requests city departments to complete Worksheets of proposed projects. The CIP process usually occurs earlier in the annual cycle before work begins on the annual budget.

3. Project Priority - Management Team Review

The Management Team consisting of the City Manager along with the Finance Director, City Engineer, Community Development Director, Public Works Director, Public Safety Director and Assistant Public Works Director – Parks and Recreation review the individual projects and meet to discuss projects and refine details. The Management Team assess all proposed projects in accordance with the established Review Policy and gives each project a Priority Rating based on an urgent, important or desirable.

4. Priority Ratings

Urgent

- Corrects an emergency or condition dangerous to public health, safety or welfare;

- Complies with federal or state regulatory requirement whose implementation time frame is too short to allow for longer range planning; or
- Is vital to the economic stability of the City.

Important

- Prevents an emergency or condition dangerous to the public health, safety, or welfare;
- Is consistent with an adopted or anticipated element of an adopted plan or policy;
- Is required to complete a major public improvement (this criterion is more important if the major improvement cannot function without the project being completed, and is less important if the project is not key to the functioning of another project);
- Is preventive maintenance to extend the life;
- Provides for a critically needed community program and/or amenity; or
- Has been identified as a project that meets or is necessary to meet an important community goal, including preservation or enhancement of the public's health, safety and welfare.

Desirable

- Provides a benefit to the community;
- Worthwhile if funding becomes available;
- Can be postponed without detriment to present services; or
- Validity of planning and validity of timing have been established.

Once the priority ranking has been completed, there may be some adjustments to individual projects for factors such as timing, projected expenses, and scope of the improvements and balanced funding across the different seven different CIP classifications.

5. Creation of Final Ranking

Based on the Priority Rankings and Justification Scores projects are placed on the 6-year plan. In some cases, existing projects are moved to address current conditions.

6. Review of Draft Recommendations.

Per the City Charter, once the draft CIP has been completed it is forwarded to the City Commission for review and discussion. If changes are necessary, they will appear in the final draft.

7. Adoption and Application of the CIP

After any last changes are made to the draft CIP, a final version is forwarded to the City Commission for final approval and adoption. The adopted CIP and budget are both posted on the city's website. The document is used to guide decisions during

the fiscal year and plan activities in future years.

Funding options for CIP projects

Just like private industry, government must generate adequate revenues to fund operations and maintenance, as well as, capital improvements and debt retirement. Sources of revenues available to the City of St. Joseph include property taxes, charges for services, state and federal revenues, fines and forfeits, investment income, private and public contributions and grants and loans.

Because capital improvement projects involve the outlay of substantial public funds, multiple funding sources are necessary to meet capital demands. Capital improvements can be funded through existing budgetary appropriations (Pay-as-you-go) or debt financing. The two approaches are explained as follows.

Pay-as-you-go

Under this approach, reserve funds are specifically designated for capital improvements. These funds may result from annual operating surplus or from dedicated millage approved by the voters and restricted for specific purposes such as streets, roads, parks, drains, etc. The City of St. Joseph typically utilizes the Pay-as-you-go method and leverages these funds with grant opportunities to fund CIP projects and purchases.

In enterprise financing, dollars can be accumulated in advance for capital requirements by including a level of funds in the rate calculation. Enterprise fund dollars can only be used on projects related to that specific fund. Enterprise Fund (sewer and water) projects also utilize bonds/loans

Debt Financing

Alternatively, the city may decide to finance a capital improvement over a period of time. Common financing options available include:

Installment Purchase Agreement

Public Act 99 or 1933 authorizes a city to enter into a contract or agreement for the purchase of real or personal property for public purposes to be paid for in installments over a period not to exceed 15-years and not to exceed the useful life of the property acquired. Maximum Installment Purchase Agreement debt is equal to 1.25% of current Taxable Value.

General Obligation (G.O.) Bonds

When the City sells bonds, the bond purchasers are, in effect, lending the City money. The money is repaid, with interest, from taxes or fees over a period of time. The logic behind issuing bonds (or "floating a bond issue") for capital projects is that the citizens who will benefit from the capital improvement over a period of time will pay for these improvements over that timeframe. Perhaps the most flexible of all capital funding sources, bonds can be used for the design or construction of any capital project. However, this type of debt does have limitations; General Obligation Bonds are included in the City's state-imposed debt limits equal to 10% of current Taxable

Value.

Revenue Bonds

Enterprise Funds or “business-type” funds which are self-supporting and have their own sources of income can utilize revenue bonds for capital improvement projects. These bonds depend on user charges and other income to cover the debt service. Unlike G.O. bonds, revenue bonds are not included in the City’s state-imposed debt limits because the full faith and credit of the City is not required to back them. Revenue bonds are authorized by Public Act of 1933, the Revenue Bond Act.

Other common sources of funding for capital improvements

Millages

The property tax is one of the most important sources of City revenue. The property tax rate is stated in mills (one dollar per \$1,000 of valuation). This rate is applied to the net value, following the application of all exemptions and a 50% equalization ratio. Millages can be either authorized by statute or voted by the people for use on a specific purpose

Federal and State Grants and Funds

Federal and state governments make funds available to cities through numerous grants and programs. Some federal/state funds are tied directly to a specific program. There are other agencies that have grants available to help off-set the costs associated with some improvements. City staff does monitor grants available and submits applications when appropriate. Many grants are becoming more competitive and there is a desire to maintain an equity between communities and regions within the state.

There are three types of competitive grants available for parks and recreation activities that are administered through the Michigan Department of Natural Resources which is located in the Environment, Great Lakes and Energy (EGLE). In addition, EGLE administers grants for water projects and low interest bonds/loans.

Within the Southwest Michigan Planning Commission (SWMPC), Twincats is responsible for administering transportation related funding such as State Transportation Urban Local (STUL) funds and Congestion Mitigation and Air Quality Improvement Program (CMAQ). SWMPC maintains a Transportation Improvement Program (TIP) list of projects utilizing these funds.

Inter-Community Collaboration

More than ever before communities throughout the region are looking at ways to save money through shared resources and shared capital purchases. Collaborative funding should be examined as a possible way to spend tax dollars more effectively.

Developer Contributions

Sometimes capital improvements are required to serve a new development. This happens when utilities need to be extended or existing utilities are not of proper size to provide adequate services to the new development. The applicant may be required to pay a portion of the cost associated with upgrading the existing facilities. Within the City, developers are responsible for the construction of new underground facilities and streets in accordance with city regulations. Once these improvements are completed, the City may accept the improvements as public assets.

Special Assessments

Capital improvements that benefit particular properties, rather than the community as a whole, may be financed more equitably by special assessment: that is, by those who directly benefit. Local improvements often financed by this method include street improvements (including pavement, curb and gutter, sidewalks, etc.), sanitary and storm sewers, and water mains.

Downtown Development Authority (DDA)

The City of St. Joseph Downtown Development Authority (DDA) was created in 1976 under Act 197 of the Public Acts of 1975 now known as Public Act 57 of 2018. However, the DDA does not have the ability to utilize the tax increment mechanism for financing its annual program. The St. Joseph City DDA funds annual activities through a dedicated millage, as allowed. The DDA does not have a current DDA Development Plan and Tax Increment Financing Plan.

Tax Increment Finance Authority (TIFA)

TIF is a municipal financing tool that can be used to renovate or redevelop declining areas while improving their tax base. TIF applies the increase in various state and local taxes that result from a redevelopment project to pay for project-related public improvements. Public Act 57 of 2018 Recodified Increment Financing Act consolidated several previous Public Acts regarding tax increment financing and includes Act 450 of 1980, PA 197 of 1975 along with others.

Tax increments are the revenues generated by applying existing tax levies to the difference between the assessed value of property after improvements have been made in the district where the property is located, over the assessed value of that property fixed on the date a tax increment financing plan is initially adopted. The City does not have an adopted TIFA plan that would outline the numerous capital improvement projects.

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35	Kiwanis restroom renovation	751.011	1	Capital Projects Fund
36	Lake Bluff ADA design	DPR-0001	2	Capital Projects Fund
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Index ID	Project Title	Internal Number	Priority	Fund
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52	Tiscornia Park pavilion replacement	DPR-0002	2	Capital Projects Fund
53	Tiscornia Park plan design	751.014	2	Capital Projects Fund
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62	WTP HVAC updates	WTR005	2	Water System Operations
63	WTP Lab improvements	WTR007	3	Water System Operations
64	WTP South Low Lift Pump Station Electrical	WTR008	3	Water System Operations

Includes Budgeted, In Progress projects only.

St. Joseph Capital Projects Report by Department

Title	2023	2024	2025	2026	2027	2028
Building & Grounds	588,500					
Downtown Development	200,000					
Engineering	7,705,100	3,270,000	775,000	975,000	3,836,000	3,934,000
Fire Department	7,000					
General Government	50,000					
Parks & Recreation	1,070,000	1,161,721	1,070,000	120,000	20,000	20,000
Public Safety	235,000	90,000	90,000	90,000	90,000	90,000
Public Works	593,000	690,000	600,000			
Roads & Streets	1,700,000	685,000	608,000	110,000	110,000	140,000
Sewer	1,159,100	1,790,000	4,725,000	9,280,000	5,500,000	220,000
Utilities						
Water Department	1,565,000	1,000,000	1,085,000	1,050,000	1,090,000	1,090,000
Water Plant	3,014,000	2,298,333	2,298,333	2,298,333		6,350,000
Grand Total	\$17,886,700	\$10,985,054	\$11,251,333	\$13,923,333	\$10,646,000	\$11,844,000

St. Joseph Capital Projects Report by Buildings / Locations

Title	2023	2024	2025	2026	2027	2028
Department of Public Works	3,918,000	3,273,333	2,898,333	2,298,333		1,350,000
Downtown Development	200,000					
Fire Department	19,000					
John and Dede Howard Ice Rink	93,000			100,000		
Lake Bluff Park	70,000	120,000	1,020,000	20,000	20,000	20,000
Lions Park Beach						
Milton Park						
Not Identified	11,854,200	6,769,000	7,193,000	11,415,000	10,536,000	10,384,000
Parks & Recreation	790,000	132,721	40,000			
Police Department	173,000	90,000	90,000	90,000	90,000	90,000
Riverview Cemetery	100,000	40,000				
Riverview Park	231,500	410,000	10,000			
St. Joseph City Hall	413,000					
Tiny Tots Park						
Tisconia Park Pavilion	25,000	150,000				
West Basin Marina						
Grand Total	\$17,886,700	\$10,985,054	\$11,251,333	\$13,923,333	\$10,646,000	\$11,844,000

St. Joseph

Complete Project Report for Alco Lift Station Renovation: SWR003

Project Information

Report ID:	2
Priority:	2
Asset Group:	Sewer
Default Fund Name:	Sewer Operations
Default Department:	Sewer
Building/Location:	
Internal Number:	SWR003
Project Span:	2022 - 2024
Total Cost:	\$490,000

Description: Rehabilitate ALCO lift station and replace the forcemain along Lakeshore Drive to the discharge point with the gravity sewer.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Improve customer service, convenience for citizens

Justification: Lift station in poor condition and at the end of its useful life.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction		250,000				
Design & Construction	220,000					
RFP & Design						
	220,000	250,000				

St. Joseph

Complete Project Report for AM Program Update: 401-447.100

Project Information

Report ID: 3
Priority: 1
Asset Group: Infrastructure
Default Fund Name: Capital Projects Fund
Default Department: Engineering
Building/Location:
Internal Number: 401-447.100
Funding Source: CIP (water, sewer & street funding potential sources)
Project Span: 2021 - 2028
Useful Life: 100 years
Total Cost: \$450,000

Scope: Concentrates on infrastructure in the right-of-way and wastewater assets. However, the Water Treatment Plant is being brought into the fold to the extent possible as well.

Description: Update Asset Management Plan created as part of the Stormwater, Asset Management & Wastewater (SAW) Grant. The goal in updating the AM Plan is to create an AM Program that is continually updated and improve into the future.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Provides a method to provide a desired level of service to City tax and rate payers in the most cost effective method possible. Will help the City to become more pro-active rather than re-active.

Impacts: Virtually everything.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
AM Program Update Professional Services		65,000	85,000		86,000	114,000
Asset Management Plan Update						
		65,000	85,000		86,000	114,000

St. Joseph

Complete Project Report for AMI Meter Reading System: WTR003

Project Information

Report ID:	4
Priority:	3
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	
Internal Number:	WTR003
Project Span:	2028
Total Cost:	\$5,000,000

Description: Replacement of approximately 18,000 water meters in the shared system (City, SWMRSS&WA) with AMI (Advanced Metering Infrastructure).

Justification: System would replace aging meters, enable remote radio read, improve customer service by providing consumption data in real time, enable monthly billing, provide more accurate water usage information, improve tracking of unaccounted for water, provide timely notification of leaks and improve water conservation.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Meter Reading System						5,000,000
						5,000,000

St. Joseph Complete Project Report for Anchors Ct/Way: Crush & Shape - Mill & Fill: 204-XXX

Project Information

Report ID:	5
Priority:	1
Asset Group:	Streets
Default Fund Name:	Municipal Street
Default Department:	Roads & Streets
Building/Location:	
Internal Number:	204-XXX
Project Span:	2023
Useful Life:	10 years
Total Cost:	\$300,000

Description: Crush & Shape Anchors Court Mill & Fill Anchors Way south of Anchors Court to Island Pointe Condos entrance.

Alignment with Goals: Maintain or improve public infrastructure Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Serves JWWTP, Boat Launch Ramp, Brian's Marina, Pier 33, Island Point Condominiums

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design, Bid & Construct	300,000					
	300,000					

St. Joseph

Complete Project Report for Anchors Way Drainage: RDW008

Project Information

Report ID:	6
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Roads & Streets
Building/Location:	
Internal Number:	RDW008
Project Span:	2023 - 2024
Total Cost:	\$480,000

Scope: Will require installation of check valve and a method to eliminate flooding during high lake levels to the extent possible. Installation of a lift station is also included. Budget may be low for scope of work, in the early stages of pursuing grant funding from multiple sources.

Description: Storm sewer improvements on Anchors Way to reduce flooding

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Listed as a 1 as outside priority because flooding impacts ability to access the JWWTP serving a population of ~ 60,000.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction		180,000				
Design, Bid & Construction	300,000					
	300,000	180,000				

St. Joseph Complete Project Report for Body Cameras/Video Recorder:

Project Information

Report ID:	7
Priority:	1
Asset Group:	Machinery & Equipment
Default Fund Name:	Capital Projects Fund
Default Department:	Public Safety
Building/Location:	Police Department,
Project Span:	2023
Total Cost:	\$33,000

Description: Replace five current (2017) in car and body cameras with new upgraded systems with improved video and audio quality. Repurpose the current cameras to reserve squad cars and fire trucks.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	33,000					
	33,000					

St. Joseph Complete Project Report for Boiler Replacement: WTR010

Project Information

Report ID:	8
Priority:	2
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR010
Project Span:	2022 - 2023
Total Cost:	\$250,000

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	50,000					
	50,000					

St. Joseph

Complete Project Report for Botham Avenue Reconstruction Project: RDW009

Project Information

Report ID:	9
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Engineering
Building/Location:	
Internal Number:	RDW009
Funding Source:	Street Improvement (204) 35% [STBG Grant], Sewer Fund (590) 30%, City Water Fund (592), 35% [SRF?]
Project Span:	2024 - 2026
Useful Life:	50 years
Total Cost:	\$1,285,000

Scope: Full reconstruction and replacement of City underground utilities, jack and bore of water main under Niles Avenue included.

Description: Reconstruction of Botham Avenue from South State Street to Niles Avenue

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment

Justification: Slated for STBG funding (reason project is listed as 1 for outside priority)

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction				695,000		
Design, Bid & Construction			560,000			
RFP & Design		30,000				
		30,000	560,000	695,000		

St. Joseph

Complete Project Report for Broad Street Resurfacing: RDW011

Project Information

Report ID:	10
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Municipal Street
Default Department:	Roads & Streets
Building/Location:	
Internal Number:	RDW011
Funding Source:	STBG/STUL & Local
Project Span:	2023
Useful Life:	10 years
Total Cost:	\$620,000

Scope: Resurfacing, ADA ramp improvements, sewer improvements

Description: Resurface Broad Street from Main Street to Ann Street Langley Avenue from Ann Street to Pearl Street

Alignment with Goals: Maintain or improve public infrastructure

Justification: Local funding leveraged with State Transportation Urban Local Funding. City staff was able to secure funding because Broad Street was on the Transportation Improvement Program (TIP) illustrative list.

Impacts: Improved ride quality, maintain/upgrade sewer infrastructure.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design, Bid & Construction	620,000					
	620,000					

St. Joseph Complete Project Report for City Hall ADA upgrades

Project Information

Report ID:	11
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	St. Joseph City Hall,
Project Span:	2023
Total Cost:	\$63,000

Description: Add ADA operators to the rear entrance and some interior doors. Rework area of parking lot to correct slopes and grades for ADA compliance.

Justification: Public safety and accessibility.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
ADA compliant doors	28,000					
Parking lot improvements	35,000					
	63,000					

St. Joseph Complete Project Report for City Hall boiler replacement

Project Information

Report ID: 12
Priority: 3
Asset Group: Building & Improvements
Default Fund Name: Capital Projects Fund
Default Department: Building & Grounds
Building/Location: St. Joseph City Hall,
Project Span: 2023
Total Cost: \$300,000

Description: Replace boilers that are at end of life.

Justification: Public safety

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	300,000					
	300,000					

St. Joseph

Complete Project Report for City public parking lots maintenance: DPW-0001

Project Information

Report ID:	13
Priority:	1
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Public Works
Building/Location:	Department of Public Works,
Internal Number:	DPW-0001
Project Span:	2022 - 2025
Total Cost:	\$965,000

Description: Design of parking lots, reconstruction of lots and repair and maintenance to include patching, sealing and striping.

Alignment with Goals: Downtown Plan p. 115, item 5.17. Physical improvement > \$10,000.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design/Engineering - 946						
Maintenance - 930	250,000	400,000	300,000			
	250,000	400,000	300,000			

St. Joseph Complete Project Report for Corrosion Study: WTR009

Project Information

Report ID:	14
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR009
Project Span:	2022 - 2023
Total Cost:	\$160,000

Scope: Corrosion inhibitors will be applied to harvested pipe under controlled conditions over a period of 15 to 24 months. Pipe rigs to be built and monitored at the WTP under the direction of the selected consultant. Desktop study will include evaluation of historical treatment data from the St. Joseph plant compared to industry standards and current knowledge as well as analogous plants on Lake Michigan source water.

Description: This is a water treatment optimization study that will include a harvested pipe study, a scale analysis and a desktop study to determine the comparative efficacy of corrosion inhibitors on lead and copper solder pipe in the St. Joseph and SWMRSS&WA distribution systems.

Justification: The information is needed in order to determine whether a corrosion inhibitor will improve water quality in terms of the effects on metallic pipe and if so what concentration of that inhibitor is optimal. In addition, EGLE recommended a corrosion study and will require a study as a basis for a permit.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	120,000					
	120,000					

St. Joseph

Complete Project Report for CSO I&I Removal Project (if cost effective): SWR001

Project Information

Report ID: 15
Priority: 1
Asset Group: Sewer
Default Fund Name: Sewer Operations
Default Department: Sewer
Building/Location:
Internal Number: SWR001
Funding Source: Sewer Fund (CWSRF loan with possible principal forgiveness)
Project Span: 2024 - 2026
Useful Life: 50 years
Total Cost: \$1,550,000

Scope: Sewer and manhole rehabilitation to reduce/eliminate inflow and infiltration to the sewer system.

Description: I&I removal project if pilot project proves it will be cost effective.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities

Justification: Regulatory requirement. Reduces CSO/SSO overflows (diluted sanitary wastewater) discharges to the Morrison Channel flowing to the St. Joseph River and on to Lake Michigan.

Project Cash Flow

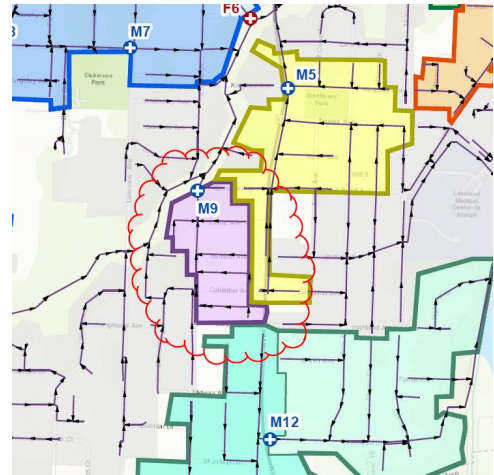
Description	2023	2024	2025	2026	2027	2028
Construction			1,000,000			
Construction, Flow Monitoring & Modeling				250,000		
Design, Bid & Construction		300,000				
		300,000	1,000,000	250,000		

St. Joseph

Complete Project Report for CSO I&I Removal/Sewer Rehabilitation Pilot Project: SWR005

Project Information

Report ID: 16
Priority: 1
Asset Group: Sewer
Default Fund Name: Sewer Operations
Default Department: Sewer
Building/Location:
Internal Number: SWR005
Funding Source: Sewer Fund - 2020 Series Bond
Project Span: 2022 - 2024
Useful Life: 50 years
Total Cost: \$880,000



Scope: Rehabilitate sewer pipes and manholes along South State Street between

Description: Replaces the CIPP Sewer Phase 2 Project due to results of the recent CSO I&I Study.

Alignment with Goals: Regulatory Requirement Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities

Justification: Regulatory requirement, need to do to comply with CSO NPDES Permit requirements.

Impacts: Minimal impact expected. Most work to be completed using trenchless technology methods.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction Phase		30,000				
Design Phase						
Design, Bid & Construction Phase	600,000					
	600,000	30,000				

St. Joseph

Complete Project Report for

CSO Post I/I Pilot Project Flow Monitoring & Hydraulic Modeling: SWR008

Project Information

Report ID:	17
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Sewer
Building/Location:	
Internal Number:	SWR008
Funding Source:	2020 Series Sewer Bond
Project Span:	2023 - 2024
Total Cost:	\$112,500

Scope: Described above

Description: Flow monitoring to evaluate effectiveness of I/I Removal Project. Replaces project previously described as CSO Flow Monitoring & Hydraulic Model for clarity.

Alignment with Goals: Same as I/I Removal Pilot Project

Justification: Same as I/I Project Pilot Project

Impacts: None

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Post I/I Pilot Project Flow Monitoring	67,500	45,000				
	67,500	45,000				

St. Joseph Complete Project Report for CSO Storage: SWR009

Project Information

Report ID: 18
Priority: 1
Asset Group: Sewer
Default Fund Name: Sewer Operations
Default Department: Sewer
Building/Location:
Internal Number: SWR009
Funding Source: Sewer Fund - CWSRF Loan
Project Span: 2023 - 2028
Useful Life: 100 years
Total Cost: \$17,725,000

Figure 6-1



Basin Location Options

Scope: Construct CSO storage to comply with National Pollutant Discharge Elimination System (NDPES) Permit requirement

Description: CSO 005 Storage Basin

Alignment with Goals: Meets Regulatory Requirement Protect Health, Safety, lives of Citizens Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities

Justification: Required to remain in compliance with decades long CSO program.

Impacts: Kiwanis Park is location of storage basin.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction and Program Performance Certification						220,000
Construction Phase				8,800,000	5,500,000	
Engineering Design		575,000				
Engineering Design, Bid & Award			2,605,000			
RFQ Process - Preliminary Engineering	25,000					
	25,000	575,000	2,605,000	8,800,000	5,500,000	220,000

St. Joseph Complete Project Report for CSO Storage Project - Preliminary Site Investigation: 590-XXX

Project Information

Report ID: 19
Priority: 1
Asset Group: Sewer
Default Fund Name: Capital Projects Fund
Default Department: Sewer
Building/Location:
Internal Number: 590-XXX
Funding Source: Sewer or CSO Fund (590 or 450)
Project Span: 2022 - 2023
Total Cost: \$140,000

Figure 6-1



Basin Location Options

Scope: Same as above.

Description: Initial site investigation & geotechnical report for future CSO Storage Tank.

Alignment with Goals: Regulatory requirement, Protect Health, Safety, lives of Citizens Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities

Justification: Required to meet CSO NPDES Permit compliance program.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Engineering	100,000					
	100,000					

St. Joseph Complete Project Report for Dickinson parking + playground: DPR-0009

Project Information

Report ID:	20
Priority:	1
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Department of Public Works,
Internal Number:	DPR-0009
Project Span:	2024
Total Cost:	\$285,000

Description: Install new playground, pave existing gravel lot and install sidewalk connecting Stadium Dr to Lakeview Ave.

Alignment with Goals: The community currently does not have access to a public playground in this quadrant of the City.

Justification: This project is being proposed to take advantage of the larger renovation/improvement project taking place in Dickinson Park next year.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		285,000				
		285,000				

St. Joseph

Complete Project Report for Dickinson Storm Sewer Repair: 202-XXX

Project Information

Report ID:	21
Priority:	1
Asset Group:	Streets
Default Fund Name:	Major Street
Default Department:	Roads & Streets
Building/Location:	
Internal Number:	202-XXX
Funding Source:	202 Fund
Project Span:	2023
Useful Life:	50 years
Total Cost:	\$80,000

Scope: Replace failing storm sewer at ravine outlet in/near Dickinson Park

Description: Sewer Repair/Replacement

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure

Justification: Safety concern near Dickinson Park

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design, Bid and Construction	80,000					
	80,000					

St. Joseph Complete Project Report for Downtown Plan Implementation: DTD-0002

Project Information

Report ID:	22
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Downtown Development
Building/Location:	Downtown Development,
Internal Number:	DTD-0002
Project Span:	2021 - 2023
Total Cost:	\$451,900

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	200,000					
	200,000					

St. Joseph Complete Project Report for Drain Improvements: RDW010

Project Information

Report ID:	23
Priority:	2
Asset Group:	Infrastructure
Default Fund Name:	Municipal Street
Default Department:	Roads & Streets
Building/Location:	
Internal Number:	RDW010
Project Span:	2023 - 2028
Useful Life:	50 years
Total Cost:	\$635,000

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design, Bid & Construction			100,000	110,000	110,000	140,000
Lakeview Avenue: Design, Bid & Construction		100,000				
Young Place: Design, Bid & Construction	75,000					
	75,000	100,000	100,000	110,000	110,000	140,000

St. Joseph Complete Project Report for Drinking Water Asset Management (DWAM) Grant: 592-536

Project Information

Report ID: 24
Priority: 1
Asset Group: Water
Default Fund Name: City Water
Default Department: Water Department
Building/Location:
Internal Number: 592-536
Funding Source: DWAM Grant
Project Span: 2022 - 2023
Useful Life: 100 years
Total Cost: \$500,100

Scope: Improve Asset Management Program for City distribution water assets. Finish the complete distribution system materials inventory (cDSMI) to meet the 2018 Lead & Copper Rule requirements.

Description: Drinking Water Asset Management Grant

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Same as asset management program and meets LSLR Regulatory requirement.

Impacts: Water distribution system

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
DWAM - Subscriptions						
DWAM Contracted Services	190,000					
DWAM Part-Time Employees	18,800					
DWAM Professional Services	41,300					
	250,100					

St. Joseph Complete Project Report for Fiber Optic replacement: 265.112

Project Information

Report ID: 25
Priority: 2
Asset Group: Machinery & Equipment
Default Fund Name: Capital Projects Fund
Default Department: Building & Grounds
Building/Location: Department of Public Works,
Internal Number: 265.112
Project Span: 2021 - 2023
Total Cost: \$50,000

Description: Partially complete

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	20,000					
	20,000					

St. Joseph Complete Project Report for Fountain maintenance: 751.120

Project Information

Report ID:	26
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	751.120
Project Span:	2021 - 2025
Total Cost:	\$74,200

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund						
Fountain Caulking			40,000			
			40,000			

St. Joseph

Complete Project Report for Harrison Area Sewer Replacement: SWR002

Project Information

Report ID: 27
Priority: 3
Asset Group: Sewer
Default Fund Name: Sewer Operations
Default Department: Sewer
Building/Location:
Internal Number: SWR002
Funding Source: Sewer Fund - 2020 Series Bond?
Project Span: 2023 - 2025
Useful Life: 50 years
Total Cost: \$861,600



Scope: Same as above.

Description: Replace sewer that is in poor condition that runs under multiple homes. Sewer is extremely deep and in very poor condition. Replace lead service lines that are impact as part of project as well.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Improve customer service, convenience for citizens

Justification: See above.

Impacts: Harrison, Wayne Church Street Areas.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction			420,000			
Design	21,600					
Design, Bid, Construction		420,000				
	21,600	420,000	420,000			

St. Joseph
Complete Project Report for
Hawthorne Lift Station replacement: SWR007

Project Information

Report ID:	28
Priority:	2
Asset Group:	Sewer
Default Fund Name:	Sewer Operations
Default Department:	Sewer
Building/Location:	
Internal Number:	SWR007
Project Span:	2024 - 2026
Total Cost:	\$940,000

Justification: Maintain or improve public infrastructure Reduce energy consumption, impact on the environment

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction				230,000		
Design, Bid, Construction			700,000			
RFP & Design		10,000				
		10,000	700,000	230,000		

St. Joseph
Complete Project Report for
Howard Ice Arena HVAC unit replacement

Project Information

Report ID:	29
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	John and Dede Howard Ice Rink,
Project Span:	2023
Total Cost:	\$37,000

Description: Replace end of life heating units.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Concession/Party room RTU	12,000					
Warming hut RTU	25,000					
	37,000					

St. Joseph Complete Project Report for Howard Ice Arena Rubber flooring replacement

Project Information

Report ID:	30
Priority:	2
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	John and Dede Howard Ice Rink,
Project Span:	2023
Total Cost:	\$28,000

Description: Replace loose lay rubber mats with glued in place rubber sheet goods.

Justification: better cleanability, more sanitary and reduced trip hazards

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
locker rooms	28,000					
	28,000					

St. Joseph Complete Project Report for Ice Arena Bird Control

Project Information

Report ID:	31
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	John and Dede Howard Ice Rink,
Project Span:	2023
Total Cost:	\$28,000

Description: Replace exterior bird netting and install a rollup screen door at the rinks Zamboni entrance.

Justification: Health and safety concerns

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	28,000					
	28,000					

St. Joseph
Complete Project Report for
Ice Arena Zamboni: DPR-0022

Project Information

Report ID:	32
Priority:	3
Asset Group:	Vehicles
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	John and Dede Howard Ice Rink,
Internal Number:	DPR-0022
Project Span:	2026
Total Cost:	\$100,000

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Equipment				100,000		
				100,000		

St. Joseph Complete Project Report for Kayak Canoe Launch: DPR-0005

Project Information

Report ID:	33
Priority:	2
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Riverview Park,
Internal Number:	DPR-0005
Project Span:	2024
Total Cost:	\$400,000

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		400,000				
		400,000				

St. Joseph Complete Project Report for Kiwanis Park improvements: 751.300

Project Information

Report ID:	34
Priority:	2
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	751.300
Project Span:	2024
Total Cost:	\$20,721

Description: Move a portion of the outfield fence in to remove a permanent hazard (manhole) from the field of play. Replace the black rubber safety surface under the playground with wood fiber (mulch).

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		55,721				
		55,721				

St. Joseph Complete Project Report for Kiwanis restroom renovation: 751.011

Project Information

Report ID:	35
Priority:	1
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	751.011
Project Span:	2023
Total Cost:	\$100,000

Description: Installation of appropriate floor drains, masonry repairs and other interior repairs/replacements.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	100,000					
	100,000					

St. Joseph Complete Project Report for Lake Bluff ADA design: DPR-0001

Project Information

Report ID:	36
Priority:	2
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Lake Bluff Park,
Internal Number:	DPR-0001
Project Span:	2024 - 2025
Total Cost:	\$1,100,000

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		100,000	1,000,000			
		100,000	1,000,000			

St. Joseph

Complete Project Report for Lake Blvd Resurfacing Project: 204-XXX

Project Information

Report ID: 37
Priority: 1
Asset Group: Streets
Default Fund Name: Major Street
Default Department: Roads & Streets
Building/Location:
Internal Number: 204-XXX
Funding Source: STUL: \$636,000 Local: \$290,000
Project Span: 2023 - 2025
Useful Life: 10 years
Total Cost: \$963,000

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STUL of Submittal Review - November 16, 2021 - Meeting Results									
Year	Item#	Agency	Project	Location	Total Overlapping Cost	Federal	State	Local	Total/Year
2023	1	City of St. Joseph	Resurfacing	Highway 101, Lake Blvd	\$ 211,000	\$ 211,000	\$ 0	\$ 0	\$ 211,000
2024	1	St. Joseph County Road Department	Construction	Highway 101, Lake Blvd	\$ 600,000	\$ 0	\$ 290,000	\$ 310,000	\$ 890,000
2025	1	City of St. Joseph	Construction	Highway 101, Lake Blvd	\$ 152,000	\$ 0	\$ 0	\$ 152,000	\$ 152,000
2026	1	City of St. Joseph	Construction	Highway 101, Lake Blvd	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2027	1	City of St. Joseph	Construction	Highway 101, Lake Blvd	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2028	1	City of St. Joseph	Construction	Highway 101, Lake Blvd	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total					\$ 963,000	\$ 211,000	\$ 290,000	\$ 461,000	\$ 963,000

Scope: Resurfacing

Description: Resurface Lake Blvd - Hatch Street to Ship Street Resurface Broad Street - Lake Blvd to State Street

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Lake Blvd overdue for resurfacing (road reconstructed in 2006). Leveraging local dollars with significant outside resources (STBG funding)

Impacts: Work will be scheduled around the peak summer tourist season.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction Phase			508,000			
Design, Bid and Construction Phases		405,000				
RFP & Design Phase Services	50,000					
	50,000	405,000	508,000			

St. Joseph Complete Project Report for Lead Service Replacement Project: WTR002

Project Information

Report ID: 38
Priority: 1
Asset Group: Water
Default Fund Name: City Water
Default Department: Water Department
Building/Location:
Internal Number: WTR002
Funding Source: City Water Improvement Fund (592) - DWSRF Loan w/principal forgiveness?
Project Span: 2021 - 2028
Useful Life: 50 years
Total Cost: \$7,150,000

Description: Replace lead services to remain in compliance with 2018 lead and copper rule.

Alignment with Goals: Regulatory Requirement Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
LSLRs	1,350,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
	1,350,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

St. Joseph

Complete Project Report for Lions Park Drive Resurfacing Project: 203-449-989

Project Information

Report ID:	39
Priority:	1
Asset Group:	Streets
Default Fund Name:	Local Street
Default Department:	Engineering
Building/Location:	
Internal Number:	203-449-989
Funding Source:	203 Local Streets
Project Span:	2023
Useful Life:	10 years
Total Cost:	\$500,000

Scope: Mill 2" and resurface Lions Park Drive. Lions Park Drive was reconstructed in 2004 and is in need of this treatment to extend the service life. Alternate bid State Street from Main Street to Winchester Avenue and several other streets that can be added if awarded a category B TEDF grant.

Description: Resurfacing Lions Park Drive from Elm Street to Lions Park entrance. Will add additional roads and alternate bid them. Also will submit TEDF Category B grant, if awarded will allow extension of project limits and ability to treat more roads.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Aligns with good asset management practices.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Mill & Resurface Lions Park Drive	500,000					
	500,000					

St. Joseph
 Complete Project Report for
 Lookout Park parking rehabilitation: 751.003

Project Information

Report ID:	40
Priority:	2
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	751.003
Project Span:	2024
Total Cost:	\$62,000

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Lookout Park Parking Lot Paving		62,000				
		62,000				

St. Joseph Complete Project Report for Main Street Reconstruction: XXX-XXX

Project Information

Report ID: 41
Priority: 1
Asset Group: Infrastructure
Default Fund Name: Capital Projects Fund
Default Department: Engineering
Building/Location:
Internal Number: XXX-XXX
Funding Source: MDOT, Street Improvement (204) 10%, Sewer Fund (590) 45% [CWSRF?], City Water Fund (592) 45% [DWSRF?], TAP Grant?, other?
Project Span: 2023 - 2028
Useful Life: 50 years
Total Cost: \$5,770,000

Tim Zebell
From: Tim Zebell
Sent: Saturday, December 18, 2021 12:10 PM
To: Stephanie Scott; Sims; Kristen Gundersen; John Hodgson (johodgson@sjcity.com); Greg Grathous; Joe Mangin
Subject: 2020 Main Street Scoping Documents

All,
 I copied the Main Street Scoping Documents to the following location on the network, in case you would like to access them.
 \\dc3\drive\Management Team Share\Engineering\MDOT_2020_Main_Street_Scoping_Documents
 Here is a summary of the City's estimated portion of the cost.

Table 4-2: City of St. Joseph Cost Breakdown (Includes 8% PE and 15% CE)

		FF 2020	FF 2026
The total City of St. Joseph project cost:		\$4,274,454	\$5,787,764
Agency	Description of Work	Estimated Agency Cost	
City of St. Joseph	Water Main Replacement	\$38,735	\$453,916
	Sewer Sewer Replacement	\$2,862,273	\$2,390,166
	Streetscape	\$2,262,563	\$2,862,865
	Crossing Enhancements	\$67,583	\$10,817

1. Subject to the cost of financing the cost of the project estimated from outside sources.

Due to potential funding constraints, the proposed project has been divided into four segments:

- Segment 1 – 1948E/1A-63 (Main St) from the POB to Pearl Street
- Segment 2 – 1948B/1A-63 (Main St) from Pearl Street to the Massena/Inland Bridge
- Segment 3 – EB 194 BL (Ship Street) and WB 194BL (Port St) from Main St to the Morrison Channel Bridge
- Segment 4 – 1948L (Wayne St) between the Morrison Channel Bridge and Bicentennial Bridge

The following tables summarize the anticipated construction costs associated with each segment:

MDOT is targeting reconstruction in 2027.

I believe the City will want to pursue a Transportation Alternative Program (TAP) grant for the streetscape and SRF funding for the Water and Sewer work. I am very familiar with the SRF program, but have not used TAP funding like this in the past.

[MDOT - Transportation Alternative Program \(midmigan.gov\)](#)

I think the City should request to meet with MDOT after the holidays to discuss the overall project schedule and funding sources. If desired, I can reach out to Jon Smith and Pete Pfeiffer if you would like me to get the ball rolling.

Thank You,
 Tim

Scope: Full reconstruction including all City underground utilities and possible streetscape improvements.

Description: Reconstruction of Main Street from Port Street to Niles Avenue, Ship Street from Main Street to Bicentennial Bridge, and Port Street from Main Street to Bicentennial Bridge.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Main Street first slated to be reconstructed in 2013, then 2016, then was removed from MDOT's list altogether until recently. Reconstruction of the road and utilities is needed.

Impacts: DDA has been informed of projects. Additional stakeholders will be brought into the fold during the public input process.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction Phase					2,550,000	2,870,000
Design & Bid Phase				130,000		
Design Phase			130,000			
Early Design Phase	30,000	60,000				
	30,000	60,000	130,000	130,000	2,550,000	2,870,000

St. Joseph
 Complete Project Report for
 Mako air fill station : 345.006

Project Information

Report ID:	42
Priority:	1
Asset Group:	Machinery & Equipment
Default Fund Name:	Capital Projects Fund
Default Department:	Public Safety
Building/Location:	Police Department,
Internal Number:	345.006
Project Span:	2023
Total Cost:	\$90,000

Description: Waiting for a fema grant. Could be pushed to 2023.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	90,000					
	90,000					

St. Joseph

Complete Project Report for Morton & Kingsley Avenue Reconstruction: RDW007

Project Information

Report ID:	43
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Capital Projects Fund
Default Department:	Engineering
Building/Location:	
Internal Number:	RDW007
Funding Source:	Street Improvement (204) 35%, Sewer Fund (590) 30%, City Water Fund (592), 35%
Project Span:	2026 - 2028
Useful Life:	50 years
Total Cost:	\$2,200,000

Scope: Replace roadway and all City utilities.

Description: Reconstruction of Morton Avenue from Kingsley Avenue to Van Brunt Avenue. Reconstruction of Kingsley Avenue from Morton Avenue to Langley Avenue.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction						950,000
Design, Bid & Construction					1,200,000	
RFP & Design				50,000		
				50,000	1,200,000	950,000

St. Joseph

Complete Project Report for North Pier Lift Station Replacement: SWR004

Project Information

Report ID:	44
Priority:	2
Asset Group:	Sewer
Default Fund Name:	Sewer Operations
Default Department:	Sewer
Building/Location:	
Internal Number:	SWR004
Project Span:	2022 - 2024
Useful Life:	50 years
Total Cost:	\$295,000

Description: Replace failing North Pier Lift Station and forcemain.

Alignment with Goals: Maintain or improve public infrastructure Reduce energy consumption, impact on the environment

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction		160,000				
Design & Construction	125,000					
RFP & Design						
	125,000	160,000				

St. Joseph Complete Project Report for Parking kiosk system: 751.260

Project Information

Report ID:	45
Priority:	2
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	751.260
Project Span:	2024
Total Cost:	\$15,000

Description: Installation of parking meter and shelter at Riverview Park and a shelter at Kiwanis park

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		15,000				
		15,000				

St. Joseph Complete Project Report for Public Works facility paving: DPW-0004

Project Information

Report ID:	46
Priority:	1
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Public Works
Building/Location:	Department of Public Works,
Internal Number:	DPW-0004
Project Span:	2022 - 2025
Total Cost:	\$370,000

Description: Design of parking lot to ensure grades for drainage are correct and re-paving of the entire lot with concrete in high traffic areas and asphalt in other areas over a period of time.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	20,000	50,000	300,000			
	20,000	50,000	300,000			

St. Joseph Complete Project Report for Public Works flooring

Project Information

Report ID:	47
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	Department of Public Works,
Project Span:	2023
Total Cost:	\$16,000

Description: Epoxy coat existing tile and concrete floors in entryway, three offices and two hallways.

Justification: improve cleanability.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	16,000					
	16,000					

St. Joseph

Complete Project Report for Repaint exterior of Woodbine Lodge

Project Information

Report ID:	48
Priority:	3
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Building & Grounds
Building/Location:	Riverview Park,
Project Span:	2023
Total Cost:	\$25,000

Description: Refresh and protect exterior of building.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	25,000					
	25,000					

St. Joseph
Complete Project Report for
Riverview playground equipment : DPR-0003

Project Information

Report ID:	49
Priority:	2
Asset Group:	Machinery & Equipment
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Riverview Park,
Internal Number:	DPR-0003
Project Span:	2023
Total Cost:	\$125,000

Description: Replacement of existing playground that is currently located near Woodbine Lodge.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	125,000					
	125,000					

St. Joseph Complete Project Report for Security cameras - Downtown: 345.170

Project Information

Report ID:	50
Priority:	1
Asset Group:	Furniture & Fixtures
Default Fund Name:	Capital Projects Fund
Default Department:	Public Safety
Building/Location:	Lake Bluff Park,
Internal Number:	345.170
Project Span:	2023
Total Cost:	\$50,000

Description: Security cameras for City parks and beaches and/or downtown. This will be an addition/add-on to the system that we purchased in 2019.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	50,000					
	50,000					

St. Joseph

Complete Project Report for State Street Rehabilitation: RDW003

Project Information

Report ID: 51
Priority: 2
Asset Group: Infrastructure
Default Fund Name: Capital Projects Fund
Default Department: Engineering
Building/Location:
Internal Number: RDW003
Funding Source: Street Improvement (204) 60%, Sewer Fund (590) 30%, City Water Fund (592), 10%
Project Span: 2022 - 2023
Useful Life: 10 years
Total Cost: \$900,000

Description: Abandon old sanitary sewer, tie ~4 services from old sewer into new sewer, brick leveling, sidewalk replacement, lead service line replacement as needed (where services disturbed).

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design						
Design, Bid & Construction	850,000					
	850,000					

St. Joseph Complete Project Report for Tiscornia Park pavilion replacement: DPR-0002

Project Information

Report ID:	52
Priority:	2
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Tiscornia Park Pavilion,
Internal Number:	DPR-0002
Project Span:	2024
Total Cost:	\$150,000

Description: Construction of new pavilion to replace the existing based, location to be determined as part of Master Plan process.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund		150,000				
		150,000				

St. Joseph Complete Project Report for Tiscornia Park plan design: 751.014

Project Information

Report ID:	53
Priority:	2
Asset Group:	Land Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Tisconia Park Pavilion,
Internal Number:	751.014
Project Span:	2023
Total Cost:	\$25,000

Description: Park master plans for Tiscornia and Paddler parks.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	25,000					
	25,000					

St. Joseph Complete Project Report for Topographical aerial maps: DPW-0006

Project Information

Report ID:	54
Priority:	3
Asset Group:	Data Processing Equipment
Default Fund Name:	Capital Projects Fund
Default Department:	Engineering
Building/Location:	
Internal Number:	DPW-0006
Project Span:	2026
Useful Life:	20 years
Total Cost:	\$100,000

Scope: Update topographic aerials in CAD, requires flying the City and updating the linework in CAD.

Description: 1999 topographical aerials in CAD format are dated and are in need of replacement. Drawings have been used for conceptual planning for the past 20 years plus.

Alignment with Goals: Maintain or improve public infrastructure with preventive maintenance program for new construction/installation. Improve customer service, convenience for citizens.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Update CAD Topographical Maps				100,000		
				100,000		

St. Joseph Complete Project Report for Upton Drive Reconstruction Project: XXX-XXX

Project Information

Report ID: 55
Priority: 1
Asset Group: Infrastructure
Default Fund Name: Capital Projects Fund
Default Department: Engineering
Building/Location:
Internal Number: XXX-XXX
Funding Source: Street Improvement (204) 35%, Sewer Fund (590) 30%, City Water Fund (592), 35% - Grants/SRF: TEDF-A, EDA, DWSRF, CWSRF
Project Span: 2023 - 2024
Useful Life: 50 years
Total Cost: \$6,650,000



30 Maple Street
 St. Joseph, MO 64502
 P: 203.625.1000
 www.abonmarche.com

Upton Drive - River to Momany Drive - Non-participating

Item	Description	Quantity	Unit	Unit Cost	Item Cost
00	Mobilization	1.00	CSUM	\$ 213,180.00	\$ 213,180.00
01	Water Main, 8 inch	5.00	EA	\$ 400.00	\$ 2,000.00
02	Force Main, 8 inch	1,110.00	LF	\$ 13.00	\$ 14,430.00
03	Sanitary Inlet	10.00	EA	\$ 1,800.00	\$ 18,000.00
04	Cast Valve, 4 inch	3.00	EA	\$ 1,500.00	\$ 4,500.00
05	Cast Valve, 6 inch	5.00	EA	\$ 2,500.00	\$ 12,500.00
06	Cast Valve, 8 inch	5.00	EA	\$ 3,500.00	\$ 17,500.00
07	Cast Valve, 12 inch	14.00	EA	\$ 2,500.00	\$ 35,000.00
08	Cast Valve, 16 inch	1.00	EA	\$ 7,000.00	\$ 7,000.00
09	Cast Valve, 20 inch	1.00	EA	\$ 9,000.00	\$ 9,000.00
10	Force Main, 48 inch Dia	2.00	EA	\$ 3,500.00	\$ 7,000.00
11	Water Vault Cover	20.00	EA	\$ 850.00	\$ 17,000.00
12	Water Main, 60 inch, 15' Depth	8.00	LF	\$ 150.00	\$ 1,200.00
13	Water Main, 60 inch, 22' Depth	1.00	LF	\$ 150.00	\$ 150.00
14	Water Main, 60 inch, 27' Depth	1.00	LF	\$ 150.00	\$ 150.00
15	Water Service, 8 inch	10.00	EA	\$ 2,000.00	\$ 20,000.00
16	Water Service, 10 inch	5.00	EA	\$ 2,500.00	\$ 12,500.00
17	Water Main, 4" Fire Suspension	10.00	LF	\$ 300.00	\$ 3,000.00
18	Water C.I.P., 12 inch, 17' Deep (S&N)	1.00	EA	\$ 1,000.00	\$ 1,000.00
19	Structure, 48 inch Dia (S&N)	10.00	EA	\$ 2,700.00	\$ 27,000.00
20	Structure, 60 inch Dia (S&N)	1.00	EA	\$ 3,500.00	\$ 3,500.00
21	Structure Cover, Type D	10.00	EA	\$ 600.00	\$ 6,000.00
22	Video Taping Sewer and C&U Pipe (S&N)	1.00	EA	\$ 1,000.00	\$ 1,000.00
23	Soft Start-up Improvements	1.00	CSUM	\$ 100,000.00	\$ 100,000.00
24	Force Main, HDPE SDR 9, 18 inch, 17' Deep	1,110.00	LF	\$ 13.00	\$ 14,430.00
25	Force Main, HDPE SDR 9, 18 inch, 15' Deep	900.00	LF	\$ 25.00	\$ 22,500.00
26	Shaded Low Path, Grading	2,000.00	LF	\$ 12.00	\$ 24,000.00
27	Shaded Low Path Aggregate, 1.5"	10,000.00	CY	\$ 12.00	\$ 120,000.00
28	Aggregate Base, 8 inch	8,000.00	CY	\$ 10.00	\$ 80,000.00
29	Overseas Path, Cover	24,000.00	LF	\$ 3.00	\$ 72,000.00
30	Overseas Water Surface	1,000.00	LF	\$ 10.00	\$ 10,000.00
31	Overseas, Non-Resl Conc., 6 inch	700.00	CY	\$ 40.00	\$ 28,000.00
Summary - Non-Participating					
Subtotal Non-participating Construction					\$ 3,562,895.00
Contingency					\$ 309,719.00
Total Non-participating Construction					\$ 3,872,614.00
Engineering Non-participating Items					\$ 275,711.00
Total Non-participating Project					\$ 4,148,325.00
Total Project Cost					\$ 6,255,349.00

© 2022 Munetrix, LLC. All rights reserved. Project: 2022-001 - Upton Drive Reconstruction Project. Page 2 of 2

Scope: Replacement of all City underground utilities included in project. Sanitary Forcemain from the Edgewater Lift Station under the St. Joseph River will also be replaced.

Description: Reconstruction of Upton Drive from St. Joseph River to Momany Drive.

Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Justification: Utilities are in need of replacement, roadway is in poor condition, supports Whirlpool commitment to the area with construction of the new SJTC.

Impacts: Typical impact of a City reconstruction project.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Complete Construction		2,665,000				
Design, Bid and Begin Construction	3,985,000					
	3,985,000	2,665,000				

St. Joseph

Complete Project Report for Water Distribution System Reliability Program: WTR001

Project Information

Report ID:	56
Priority:	1
Asset Group:	Water
Default Fund Name:	City Water
Default Department:	Water Department
Building/Location:	
Internal Number:	WTR001
Project Span:	2022 - 2028
Total Cost:	\$555,000

Alignment with Goals: Regulatory Requirement Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Reduce energy consumption, impact on the environment

Justification: General Plan & Reliability Study is a regulatory requirement

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Conventional Flushing Program - In-House				50,000		
General Plan & Reliability Study	75,000					
Unidirectional Flushing Program	90,000					90,000
Valve Turning Program	50,000		85,000		90,000	
	215,000		85,000	50,000	90,000	90,000

St. Joseph

Complete Project Report for Water Street Retaining Wall Rehabilitation: RDW004

Project Information

Report ID: 57
Priority: 2
Asset Group: Infrastructure
Default Fund Name: Major Street
Default Department: Roads & Streets
Building/Location:
Internal Number: RDW004
Funding Source: Streets, Parks & Recreation - Howard Bandshell
Project Span: 2023 - 2024
Useful Life: 50 years
Total Cost: \$510,000



Alignment with Goals: Protect Health, Safety, lives of Citizens Maintain or improve public infrastructure Enhance social, cultural, recreational, aesthetic opportunities Improve customer service, convenience for citizens

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Design	60,000					
Design, Bid and Construction		450,000				
	60,000	450,000				

St. Joseph Complete Project Report for Whirlpool pumphouse/restroom/storage Fac.: DPR-0020

Project Information

Report ID:	58
Priority:	2
Asset Group:	Building & Improvements
Default Fund Name:	Capital Projects Fund
Default Department:	Parks & Recreation
Building/Location:	Parks & Recreation,
Internal Number:	DPR-0020
Project Span:	2023
Total Cost:	\$690,000

Description: Building new restroom facility with attached storage and pumphouse mechanicals as well as other site amenities. Awarded LWCF grant to support the project.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	690,000					
	690,000					

St. Joseph

Complete Project Report for

Willa Drive & Lester Avenue Reconstruction: 421-441

Project Information

Report ID: 59
Priority: 1
Asset Group: Infrastructure
Default Fund Name: Capital Projects Fund
Default Department: Engineering
Building/Location:
Internal Number: 421-441
Funding Source: Street Improvement (204) 35%, Sewer Fund (590), 35%, City Water Fund (592) 30% DWSRF (LIL w/DWI 40% Grant)
Project Span: 2022 - 2023
Useful Life: 50 years
Total Cost: \$4,561,000



Scope: Full reconstruction of roadway and underground utilities. Lead service line replacements included.

Description: Reconstruction of Willa Drive & Lester Avenue

Alignment with Goals: Replace infrastructure, meet regulatory requirements.

Justification: Replace aging infrastructure, take advantage of low interest and DWI Grant funding, meet State of Michigan 2018 LCR Rule.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction	2,030,000					
Design, Bid & Construction						
	2,030,000					

St. Joseph

Complete Project Report for WTP Architectural improvements: WTR006

Project Information

Report ID:	60
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR006
Project Span:	2024 - 2026
Total Cost:	\$1,095,000

Description: Window replacement, structural repair, handrail replacement, exterior brick repair to north and central structures of the water plant, paint ceilings, floors and walls in water process treatment areas.

Justification: Refurbish 1957 and 1974 structures to protect water treatment process and personnel. Extend service life and reduce maintenance costs.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Architectural Improvements		365,000	365,000	365,000		
		365,000	365,000	365,000		

St. Joseph

Complete Project Report for WTP Clarifier improvement: WTR004

Project Information

Report ID:	61
Priority:	1
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR004
Project Span:	2023 - 2026
Total Cost:	\$8,149,999

Description: Replacement of Clarifiers #2 and #3

Justification: Identified as a priority in the WTP Strategic Capital Improvement Plan (SCIP). Existing clarifiers built in 1974 have reached the end of their service life. Parts are no longer available. Susceptible to thermal upsets which impact process water quality. While equipped with cathodic protection, corrosion of metal components will require replacement which is not cost effective given newer treatment options.

Impacts: Improved water Quality, water treatment capacity, SDWA compliance, reliability.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Construction		1,700,000	1,700,000	1,700,000		
Construction Engineering		233,333	233,333	233,333		
Engineering	700,000					
Plates	1,650,000					
	2,350,000	1,933,333	1,933,333	1,933,333		

St. Joseph Complete Project Report for WTP HVAC updates: WTR005

Project Information

Report ID:	62
Priority:	2
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR005
Project Span:	2023
Total Cost:	\$450,000

Description: Replace and redirect HVAC ducts in 1974 WTP addition, replace HVAC rooftop units.

Justification: Replace outdated system components. Redirect airflows to improve efficiency and prevent condensation which is causing damage to ceilings during warm weather.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund	450,000					
	450,000					

St. Joseph Complete Project Report for WTP Lab improvements: WTR007

Project Information

Report ID:	63
Priority:	3
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR007
Project Span:	2028
Total Cost:	\$600,000

Description: Identified in WTP Strategic Capital Improvement Plan (SCIP) as a priority. Upgrade and expand working space, replace sample sink, faucets and counters, improve lighting, install OSHA compliant ventilated acid hood. Remove staff break area from existing laboratory.

Impacts: Laboratory efficiency, safety, compliance with EGLE standards

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund						600,000
						600,000

St. Joseph

Complete Project Report for

WTP South Low Lift Pump Station Electrical: WTR008

Project Information

Report ID:	64
Priority:	3
Asset Group:	Infrastructure
Default Fund Name:	Water System Operations
Default Department:	Water Plant
Building/Location:	Department of Public Works,
Internal Number:	WTR008
Project Span:	2028
Total Cost:	\$750,000

Description: Replacement of traveling screen, switch gear. Rebuild low service pumps in the south low service pump station at the WTP.

Justification: The south low service station serves as an emergency backup to the north low service pump station. Replacement of traveling screen, switch gear and pumps built and manufactured in 1957 would improve reliability of the WTP and reduce maintenance and cleaning costs of the north intake line by providing an alternate water source during these activities.

Impacts: Improve low service reliability. Maintain a viable alternate raw water source for the WTP.

Project Cash Flow

Description	2023	2024	2025	2026	2027	2028
Capital Projects Fund						750,000
						750,000

