

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan.

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Overall Programming Cost				
									Project Cost	City Funds	Non-City Funds		
Brown Bridge													
+ 1106		ADA Accessible Watercraft Landing	C	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$50,000	\$50,000
+ 1238		ADA Improvements - N. side of Brown's Footbridge	V	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$30,000	\$20,000
+ 1105		Boardman River Recreation Plan	C	\$5,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$5,000	\$25,000
Total Brown Bridge				\$25,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$180,000	\$85,000	\$95,000

Brown Bridge

ADA Accessible Watercraft Landing

Project Information

Project Num: 1106	Dept Head: Frank Dituri	Project Description: Design and construction of an ADA accessible canoe/kayak launch on the Boardman River near Brown's Landing Footbridge. The existing access consists of stairs and a small, rudimentary platform that challenge skills and abilities of those looking to float the river.
Category: Capital	Department: Department of Public Services	
Fund Group: Brown Bridge Trust Parks Improvement	Submitted By: Grand Traverse Conservation Distric	
Fund Detail: Brown Bridge Trust Parks Improvement	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
FSG	Federal / State Grant	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$25,000	
Construction:	\$75,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Maintenance needs are expected to be minimal upon installation/construction and no major recurring maintenance costs are anticipated.

Project Justification:

The ever-increasing number of Boardman River paddlers is bringing a more diverse range of interests and abilities. Improving access will provide a better river-going experience for parkland visitors.

Location Description:

3405 Brown Bridge Rd

Brown Bridge

ADA Improvements - N. side of Brown's Footbridge

Project Information

Project Num: 1238	Dept Head: Frank Dituri	Project Description:
Category: Visionary	Department: Department of Public Services	Now that the ADA trail is accessible to the south end of the footbridge, there are needed improvements to the north side to allow wheelchair access to the north side and beyond.
Fund Group: Brown Bridge Trust Parks Improvement	Submitted By: Grand Traverse Conservation Distric	
Fund Detail: Brown Bridge Trust Parks Improvement	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
FSG	Federal / State Grant	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
								Project Total:	\$50,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$10,000	
Construction:	\$40,000	Cost Total: \$50,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Provide those with disabilities greater recreational experiences.

Project Justification:

With the new ADA connection on the south side of the river to the Brown's Bridge there is a need to provide a place on the north side for those with disabilities to access.

Location Description:

North side of Brown's Landing Bridge at Brown Bridge

Brown Bridge

Boardman River Recreation Plan

Project Information

Project Num:	1105	Dept Head:	Frank Dituri	Project Description:	
Category:	Capital	Department:	Department of Public Services	Develop a Recreation Plan for the Boardman River that will help balance different recreational uses of the river while protecting the ecological integrity of Boardman.	
Fund Group:	Brown Bridge Trust Parks Improvement	Submitted By:	Grand Traverse Conservation Distric		
Fund Detail:	Brown Bridge Trust Parks Improvement	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
FSG	Federal / State Grant	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
P	Private	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
Project Total:									\$30,000

COST DETAIL:

Study:	\$30,000		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$0	Cost Total:	\$30,000
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

A Recreation Plan for the Boardman River will provide watershed-wide protection from excess commercial recreational use that could lead to ecological impairment and infrastructure damage. The Recreation Plan will not require yearly maintenance but will need to be occasionally updated.

Project Justification:

The upper part of the mainstem of the Boardman River flows through the heart of the Brown Bridge Quiet Area, while the lower part flows through downtown Traverse City. Since the removal of three former hydro dams including Brown Bridge Dam in 2012, the river has experienced a tremendous increase in the number of paddlers and fisherman. In 2017 the City Manager issued as Administrative Order establishing a moratorium on issuing any permits or accepting applications for commercial use of Brown Bridge property. Creation of a Recreation Plan will help balance different recreational uses while protecting the ecological integrity of the Boardman River.

Location Description:

3405 Brown Bridge Rd

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										Overall Programming Cost		
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds	
Civic												
+ 1764	Civic Square	V	\$0	\$1,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$6,000,000	\$1,000,000	\$5,000,000
781	Farmers Market	V	\$0	\$0	\$0	\$0	\$0	\$3,300,000	\$0	\$3,325,000	\$3,300,000	\$0
+ 1160	Lake Avenue Streetscaping & Plaza	C	\$0	\$0	\$1,620,759	\$0	\$0	\$0	\$0	\$1,620,759	\$700,000	\$920,759
82	Lower Boardman Unified Plan	C	\$0	\$5,000,000	\$5,000,000	\$0	\$0	\$14,000,000	\$0	\$24,000,000	\$24,000,000	\$0
1754	Meridan Barriers	C	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	\$150,000	\$0
1246	Open Space Master Site Plan	V	\$0	\$0	\$66,000	\$0	\$0	\$0	\$0	\$66,000	\$66,000	\$0
1247	West End Pedestrian Way	V	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$0
1158	Workforce Housing	V	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000	\$200,000	\$0
Total Civic				\$6,150,000	\$11,761,759	\$0	\$0	\$17,500,000	\$0	\$35,436,759	\$29,491,000	\$5,920,759

Civic

Civic Square

Project Information

Project Num: 1764
Category: Visionary
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Jean Derenzy
Staff Priority: Important (Could Do)

Project Description:

Public gathering space for Traverse City citizens and visitors alike. This site will feature a variety of placemaking features and connections to the new FishPass Projects. Public visioning and design engineering will be included in the project to identify the overall project costs.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000
TIF97	TIF 97	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Project Total:									\$6,000,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$25,000
Construction: \$5,975,000
Annual Maint. Cost:
Maint. Year Start: 2024

Cost Total: \$6,000,000
Project Difference: \$0

Service Impact:

Landscaping and streetscape elements will result in additional services. Addition of restrooms will result in contracting services for maintenance if open year round. Renovation of the space may result in rental opportunities.

Project Justification:

TIF 97

Location Description:

SW corner of State and Union Streets

Civic

Farmers Market

Project Information

Project Num: 781
Category: Visionary
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Rob Baciagalupi
Staff Priority: Essential (Should Do)

Project Description:
 Reconstruction of the Farmers Market Lot B with permanent structure, wider sidewalks, river enhancements, lighting, and reconstruction of parking lot. This project will tie into additional improvements associated with the Unified Plan for the Lower Boardman River. Negative project difference, future project, funds being investigated.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$0	\$3,300,000	\$0	\$3,300,000
Project Total:									\$3,300,000

COST DETAIL:

Study:	\$25,000	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$300,000	
Construction:	\$3,000,000	Cost Total: \$3,325,000
Annual Maint. Cost:	\$10,000	Project Difference: -\$25,000
Maint. Year Start:	2024	

Service Impact:

Identification of a permanent Farmer's Market identified for the agriculture center of northern Michigan. Will require a permanent year-round structure.

Project Justification:

Will enhance the vibrancy of Downtown

Location Description:

Lot B

Civic

Lake Avenue Streetscaping & Plaza

Project Information

Project Num: 1160	Dept Head: Jean Derenzy	Project Description:
Category: Capital	Department: Downtown Development	Development of streetscaping along Lake Avenue (south of Eighth Street) and a pedestrian plaza near Eleventh Street.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF Old Town	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$920,759	\$0	\$0	\$0	\$0	\$920,759
TIF2	TIF Old Town	\$0	\$0	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Project Total:									\$1,620,759

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,620,759	Cost Total: \$1,620,759
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Lake Avenue streetscapes will provide a much improved pedestrian corridor and provide a connection between new streetscapes along Lake Avenue (between Eighth and Cass) as well as the new streetscapes along Eighth Street. The Plaza would also connect the Lake Avenue streetscapes with the Boardman Lake Trail
Project will require annual maintenance costs.

Project Justification:

This project will support the overall reconstruction of Lake Avenue, providing better pedestrian access and circulation in this emerging part of Downtown. It will also support any potential redevelopment as well as any potential redevelopment projects along Lake Avenue.

Location Description:

Lake Avenue, between Eighth Street and Twelfth Street

Civic

Lower Boardman Unified Plan

Project Information

Project Num: 82
Category: Capital
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Rob Baciagalupi
Staff Priority: Essential (Should Do)

Project Description:

In 2021/2022 the community process has been completed. First reach of the River is 100/200 block between Park and Union Street with conceptual design completed in 2022. Anticipated cost is between \$10 and \$15 million, The remaining costs relate to different reaches of the Lower Boardman which make up the \$22 million

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$5,000,000	\$5,000,000	\$0	\$0	\$14,000,000	\$0	\$24,000,000
Project Total:									\$24,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$2,000,000	
Construction:	\$22,000,000	Cost Total: \$24,000,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

The project may be in conjunction with other items, but would most likely result in maintenance to a boardwalk and landscaping.

Project Justification:

Boardman River Unified Plan

Location Description:

Lower Boardman River. Phase 1 is the 100 and 200 Block between Park and Union, as identified by community priority.

Civic

Meridan Barriers

Project Information

Project Num: 1754	Dept Head: Frank Dituri	Project Description: State of the Art, easily movable, vehicle control barriers to be used by Police, Fire, DPS departments to provide for public safety during events & festivals.
Category: Capital	Department: Department of Public Services	
Fund Group: Available Capital Project Fund	Submitted By: Frank Dituri	
Fund Detail: Available Capital Projects Fund	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Project Total:									\$150,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$150,000	Cost Total: \$150,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Public health, Safety & Welfare

Project Justification:

Public health, Safety & Welfare

Location Description:

City-wide use, storage at DPS.

Civic

Open Space Master Site Plan

Project Information

Project Num: 1246	Dept Head: Shawn Winter	Project Description: Develop Master Site Plan for the Open Space. This is a visionary project, no revenue source has been identified at this time. Planning Department will be coordinating this effort with the Parks & Rec Division.
Category: Visionary	Department: Planning and Zoning	
Fund Group: General	Submitted By: Shawn Winter	
Fund Detail: General Government	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$66,000	\$0	\$0	\$0	\$0	\$66,000
Project Total:									\$66,000

COST DETAIL:

Study:	\$66,000	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$66,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Low impact amenities to better activate the open space to be an inclusive and dynamic feature of the City of Traverse City.

Project Justification:

The current space is underutilized, unattractive and in need of maintenance upgrades.

Location Description:

Open Space Master Site Plan.

Civic

West End Pedestrian Way

Project Information

Project Num: 1247	Dept Head: Shawn Winter	Project Description: Design to construct a pedestrian plaza beginning in Hannah park and connecting the West end of TC to the Open Space along City-owned parcels and ROW. This is a visionary project, no revue source has been identified.
Category: Visionary	Department: Planning and Zoning	
Fund Group: General	Submitted By: Shawn Winter	
Fund Detail: General Government	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Project Total:									\$75,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$75,000	
Construction:	\$0	Cost Total: \$75,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Design only, not construction.

Project Justification:

Improved pedestrian and non-motorized connectivity, better universal accessibility.

Location Description:

Create design to construct a pedestrian way beginning in Hannah park and connecting the West end of TC to the Open Space.

Civic

Workforce Housing

Project Information

Project Num: 1158	Dept Head: Jean Derenzy	Project Description:
Category: Visionary	Department: Downtown Development	Opportunity to partner with non-profits or for profits for workforce housing development.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF 97	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000
Project Total:									\$200,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$200,000	Cost Total: \$200,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

N/A

Project Justification:

Meeting the goal of the DDA and City Commission to bring more housing into the City.

Location Description:

Within the DDA District

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										<u>Overall Programming Cost</u>		
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds	
Facilities												
1752	DPS Building Remodel	M	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0
1750	DPS Composting Facility	C	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
1759	Fire Station 1 & 2 Improvements	C	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0
1730	Hardy Retail Space Buildout	C	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000	\$600,000	\$0
1748	Marina Master Plan	M	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$0
+ 1726	Natural Education Reserve Trailhead	M	\$0	\$51,500	\$0	\$0	\$0	\$0	\$0	\$50,000	\$31,500	\$20,000
1753	Purchase/Lease Land for City Discretionary Use	C	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,000	\$0
Total Facilities			\$1,441,500	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$2,380,000	\$2,361,500	\$80,000

Facilities

DPS Building Remodel

Project Information

Project Num: 1752	Dept Head: Frank Dituri	Project Description: DPS Building remodel to include interior floors, wall painting and windows & exterior walls and fascia with possible office reconfiguration.
Category: Maintenance	Department: Department of Public Services	
Fund Group: Garage	Submitted By: Frank Dituri	
Fund Detail: Facilities	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GAR	Garage Fund	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Project Total:									\$1,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,000,000	Cost Total: \$1,000,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Facilities for improved working conditions/timely maintenance

Project Justification:

Facilities for improved working conditions/timely maintenance

Location Description:

625 Woodmere Ave

Facilities

DPS Composting Facility

Project Information

Project Num: 1750	Dept Head: Frank Dituri	Project Description: DPS Composting Facility \$300,000 project with City match of \$60,000. The grant was approved by the USDA January 2023 plus/minus \$60,000 in match is in-kind services.
Category: Capital	Department: Department of Public Services	
Fund Group: Other	Submitted By: Frank Dituri	
Fund Detail: Local Foundation Grant	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
Project Total:									\$60,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$0
Annual Maint. Cost:	\$60,000	Project Difference: \$60,000
Maint. Year Start:	2023	

Service Impact:

Pilot project to market the potential food waste composting for 2 years. City staff in-kind 2 hours a week.

Project Justification:

Inform and market a pilot project for food waste composting

Location Description:

TBD

Facilities

Fire Station 1 & 2 Improvements

Project Information

Project Num: 1759	Dept Head: Tim Lodge	Project Description:
Category: Capital	Department: Engineering	Improvements to Fire Station 1 & 2
Fund Group: Available Capital Project Fund	Submitted By: Tim Lodge	
Fund Detail: Available Capital Projects Fund	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:	2024	

Service Impact:

improvements to deteriorating facilities

Project Justification:

Gender Neutral employment

Location Description:

Fire Station 1- 500 W Front St
Fire Station 2 - 1313 E Eighth St.

Facilities

Hardy Retail Space Buildout

Project Information

Project Num: 1730
Category: Capital
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Jean Derenzy
Staff Priority: Imperative (Must Do)

Project Description:

Construction will convert existing restaurant space into expanded office space for the DDA and retain a retail/restaurant space for lease.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000
Project Total:									\$600,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$20,000
Construction: \$580,000
Annual Maint. Cost:
Maint. Year Start: 2023

Cost Total: \$600,000
Project Difference: \$0

Service Impact:

Building will retain retail space and will need to be maintained or updated on an as-needed basis.

Project Justification:

Retail spaces are nearly 20 years old and will be updated to address current needs and functionality.

Location Description:

Hardy Parking Garage 303 E State Street

Facilities

Marina Master Plan

Project Information

Project Num: 1748	Dept Head: Frank Dituri	Project Description:
Category: Maintenance	Department: Department of Public Services	Plan for future of Marina (possible expansion, reconfiguration of docks & launch, updates to facilities)
Fund Group: Marina	Submitted By: Shane Dilloway	
Fund Detail: Marina	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
MAR	Marina Fund	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
Project Total:									\$30,000

COST DETAIL:

Study:	\$30,000	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$30,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Expansion/reconfiguration would potentially offer more slips in space that is underutilized.

Project Justification:

To more efficiently manage the marina through planning for the future of Marina (possible expansion, reconfiguration of docks & launch, updates to facilities)

Location Description:

111 E. Grandview Pkwy

Facilities

Natural Education Reserve Trailhead

Project Information

Project Num:	1726	Dept Head:	Frank Dituri	Project Description:	
Category:	Maintenance	Department:	Department of Public Services		Gravel access road from River Rd roundabout to existing
Fund Group:	Brown Bridge Trust Parks Improvement	Submitted By:	Grand Traverse Conservation Distric		Oleson Bridge Trailhead parking lot in conjunction with the
Fund Detail:	Brown Bridge Trust Parks Improvement	Staff Priority:	Essential (Should Do)		closure of the current unsafe entrance.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBM	Brown Bridge Maintenance Fund	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$1,500
BBTP	Brown Bridge Trust Parks	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
LFG	Local / Foundation Grant	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
Project Total:									\$51,500

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$15,000	
Construction:	\$35,000	Cost Total: \$50,000
Annual Maint. Cost:	\$1,500	Project Difference: \$1,500
Maint. Year Start:	2023	

Service Impact:

To allow public & maintenance access to the City property and Oleson Bridge Trailhead parking lot.

Project Justification:

To provide safe access to city property and Oleson Bridge Trailhead parking lot from River Rd roundabout in conjunction with the closure of the current unsafe entrance.

Location Description:

River Rd roundabout spur to existing Oleson Bridge Trailhead parking lot. PIN# 02-003-013-00

Facilities

Purchase/Lease Land for City Discretionary Use

Project Information

Project Num: 1753	Dept Head: Frank Dituri	Project Description: If property adjacent to DPS building is sold we will need to locate property to store snow and use as a construction equipment staging area for city projects.
Category: Capital	Department: Department of Public Services	
Fund Group: Available Capital Project Fund	Submitted By: Frank Dituri	
Fund Detail: Available Capital Projects Fund	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Project Total:									\$400,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$400,000	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$400,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Operations & Maintenance necessity

Project Justification:

Lack of storage area for current operations & maintenance obligations.

Location Description:

Unknown location

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan .

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	<u>Overall Programming Cost</u>			
									Project Cost	City Funds	Non-City Funds	
Garage												
1166	Hoist Replacement	C	\$0	\$220,000	\$0	\$0	\$0	\$0	\$0	\$220,000	\$220,000	\$0
Total Garage			\$220,000	\$0	\$0	\$0	\$0	\$0	\$0	\$220,000	\$220,000	\$0

Garage

Hoist Replacement

Project Information

Project Num: 1166	Dept Head: Frank Dituri	Project Description:
Category: Capital	Department: Department of Public Services	Replacement of in ground Hoists, repair parts have become obsolete
Fund Group: Garage	Submitted By: Dave Courtad	
Fund Detail: Garage	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GAR	Garage Fund	\$0	\$220,000	\$0	\$0	\$0	\$0	\$0	\$220,000

Project Total: \$220,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$20,000	
Construction:	\$200,000	Cost Total: \$220,000
Annual Maint. Cost:	\$1,000	Project Difference: \$0
Maint. Year Start:	2024	

Service Impact:

continued Garage use for repairs

Project Justification:

Hoists are getting old and obsolete, repair parts such as seals are become difficult to find.

Location Description:

625 Woodmere

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan . + - Indicates projects with multiple funding										<u>Overall Programming Cost</u>		
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds	
General Government												
1763	FEMA Mapping Reconfiguration	M	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$75,000	\$0
Total General Government			\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$75,000	\$0

General Government

FEMA Mapping Reconfiguration

Project Information

Project Num: 1763	Dept Head: Tim Lodge	Project Description:
Category: Maintenance	Department: Engineering	FEMA Mapping Reconfiguration for the lower Boardman
Fund Group: General	Submitted By: Tim Lodge	Floodway
Fund Detail: Available Capital Projects Fund	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000
Project Total:									\$75,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$75,000	Cost Total: \$75,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

none

Project Justification:

Current FEMA mapping needs to be updated to the water levels once Fishpass is completed

Location Description:

Lower Boardman

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan.

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Overall Programming Cost				
									Project Cost	City Funds	Non-City Funds		
Light & Power													
+ 1041		ALLEY BETWEEN STATE AND FRONT STREET	C	\$0	\$0	\$0	\$412,500	\$412,500	\$0	\$825,000	\$1,650,000	\$1,650,000	\$0
1043		EAST FRONT STREET STREETScape LIGHTING	C	\$0	\$0	\$0	\$0	\$230,000	\$0	\$0	\$230,000	\$230,000	\$0
808		EXTENSIONS AND NEW SERVICES	C	\$0	\$800,000	\$850,000	\$900,000	\$950,000	\$1,000,000	\$1,050,000	\$5,550,000	\$5,550,000	\$0
1030		FIBER TO THE PREMISE	C	\$6,670,906	\$7,318,674	\$4,545,259	\$0	\$0	\$0	\$0	\$17,931,839	\$18,534,839	\$0
1038		GRAND TRAVERSE SUBSTATION UPGRADES	C	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$0
1733		Hall St Facility Improvement	C	\$0	\$530,000	\$0	\$0	\$0	\$0	\$0	\$530,000	\$530,000	\$0
824		HASTINGS SERVICE CENTER FACILITY IMPROVEMENTS	C	\$0	\$1,050,000	\$242,500	\$245,000	\$50,000	\$50,000	\$550,000	\$2,187,500	\$2,187,500	\$0
1755		MDOT Grandview PKWY	C	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000
1241		METER PURCHASES	C	\$0	\$165,000	\$180,000	\$195,000	\$210,000	\$225,000	\$240,000	\$1,215,000	\$1,215,000	\$0
811		OVERHEAD LINE IMPROVEMENTS	C	\$0	\$550,000	\$600,000	\$650,000	\$700,000	\$750,000	\$800,000	\$4,050,000	\$4,050,000	\$0
1127		PC-22 CIRCUIT AVENUE E	C	\$0	\$0	\$0	\$470,000	\$0	\$0	\$0	\$470,000	\$470,000	\$0
1179		REBUILD CIRCUIT - CD-24 - SECTIONALIZING	C	\$0	\$0	\$0	\$344,000	\$0	\$0	\$0	\$344,000	\$344,000	\$0
1125		REBUILD CIRCUIT - CD-31/SS-30 - SMART GRID	C	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0
1116		REBUILD CIRCUIT - GRANDVIEW PKWY - PRIMARY	C	\$0	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0
1124		REBUILD CIRCUIT - HL-33 - LOCUST STREET	C	\$0	\$0	\$0	\$220,000	\$220,000	\$0	\$0	\$440,000	\$440,000	\$0
1117		REBUILD CIRCUIT - HL-33 - WADSWORTH ST	C	\$0	\$0	\$0	\$0	\$0	\$0	\$859,000	\$859,000	\$859,000	\$0
1118		REBUILD CIRCUIT - PC-22 - MUNSON, DAVIS TO 3 MILE	C	\$0	\$0	\$0	\$687,000	\$0	\$0	\$0	\$687,000	\$687,000	\$0
1122		REBUILD CIRCUIT - PC-22 - TOM'S MARKET EAST	C	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000	\$165,000	\$165,000	\$0
1123		REBUILD CIRCUIT - SS-31 - CRESTWOOD	C	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$275,000	\$275,000	\$0
1005		S. AIRPORT ROAD TIE	C	\$0	\$0	\$0	\$0	\$1,059,000	\$1,059,000	\$0	\$2,118,000	\$2,118,000	\$0
1240		SMART GRID - CAPACITOR BANKS	C	\$0	\$180,000	\$180,000	\$0	\$0	\$0	\$0	\$360,000	\$360,000	\$0
1732		Smart Grid Water Treatment Plant Auto Healing(New)	C	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	\$0	\$150,000
1177		SUBSTATION IMPROVEMENT - DISTRIBUTION RELAY	C	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										<u>Overall Programming Cost</u>			
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds		
Light & Power													
1178		SUBSTATION IMPROVEMENT - TRANSMISSION RELAY	C	\$0	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000	\$600,000	\$0
819		SUBSTATION TRANSFORMER UPGRADES	C	\$0	\$560,000	\$700,000	\$0	\$0	\$0	\$0	\$1,260,000	\$1,260,000	\$0
820		TRANSMISSION LINE RECONSTRUCTION	C	\$0	\$0	\$0	\$0	\$0	\$0	\$927,000	\$927,000	\$927,000	\$0
1109		UNDERGROUND LINE IMPROVEMENTS	C	\$0	\$475,000	\$525,000	\$575,000	\$625,000	\$675,000	\$725,000	\$3,600,000	\$3,600,000	\$0
829		UPGRADE FRONT ST LIGHTING CIRCUITS & RECEPTACLES	C	\$0	\$0	\$0	\$0	\$450,000	\$450,000	\$500,000	\$1,400,000	\$1,400,000	\$0
Total Light & Power				\$12,578,674	\$7,972,759	\$4,698,500	\$4,906,500	\$4,809,000	\$7,416,000		\$48,449,339	\$48,602,339	\$450,000

Light & Power

ALLEY BETWEEN STATE AND FRONT STREET

Project Information

Project Num: 1041
Category: Capital
Fund Group: Light and Power
Fund Detail: Light and Power

Dept Head: Brandie Ekren
Department: Light and Power Service
Submitted By: Karla Myers-Beman
Staff Priority: Essential (Should Do)

Project Description:

Remove all overhead lines and transformers and install new underground lines and transformers. The utility may need to purchase easements/real estate to set equipment or purchase vaults to set in alley right of way.

The project is eligible for Brownfield Reimbursement.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$825,000	\$825,000
TIF97	TIF 97	\$0	\$0	\$0	\$412,500	\$412,500	\$0	\$0	\$825,000
Project Total:									\$1,650,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$0
Construction: \$1,650,000
Annual Maint. Cost:
Maint. Year Start:

Cost Total: \$1,650,000
Project Difference: \$0

Service Impact:

Increase reliability and aesthetics of the system

Project Justification:

Joint Project

Location Description:

Alley between State and Front Street

Light & Power

EAST FRONT STREET STREETScape LIGHTING

Project Information

Project Num: 1043
Category: Capital
Fund Group: Light and Power
Fund Detail: Light and Power

Dept Head: Brandie Ekren
Department: Light and Power Service
Submitted By: Karla Myers-Beman
Staff Priority: Essential (Should Do)

Project Description:

New street lighting installations in conjunction with planned streetscapes on East Front Street from Boardman Avenue to Delmar with funding in accordance with TCL&P Street Lighting Operations and Maintenance Planning and Decorative Lighting Policy.

The lighting fixture component will be reimbursed by the City in the amount of \$89,000 and is accounted for in Capital Project 717-21-CIP.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$230,000	\$0	\$0	\$230,000
Project Total:									\$230,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$230,000	Cost Total: \$230,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Continued annual street light maintenance

Project Justification:

Joint Project

Location Description:

East Front Street between Boardman Avenue and Delmar.

Light & Power

EXTENSIONS AND NEW SERVICES

Project Information

Project Num: 808	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Construction/replacements of services involving the use of
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	wire, poles, meters, cabinets and transformers.
Fund Detail: Distribution	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$800,000	\$850,000	\$900,000	\$950,000	\$1,000,000	\$1,050,000	\$5,550,000
Project Total:									\$5,550,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$5,550,000	Cost Total: \$5,550,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Upgrading lines and extension and installing new services improving reliability and minimizing maintenance costs.

Project Justification:

New extensions and some upgrades are request of new customers and other improvements are to increase reliability of the system.

Location Description:

Entire service area

Light & Power

FIBER TO THE PREMISE

Project Information

Project Num: 1030	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Deployment of a fiber optic network.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FBR	FIBER	\$6,670,906	\$7,318,674	\$4,545,259	\$0	\$0	\$0	\$0	\$18,534,839
Project Total:									\$18,534,839

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$17,931,839	Cost Total: \$17,931,839
Annual Maint. Cost:		Project Difference: \$603,000
Maint. Year Start:		

Service Impact:

A new business within the utility

Project Justification:

Economic development

Location Description:

Entire service area.

Light & Power

GRAND TRAVERSE SUBSTATION UPGRADES

Project Information

Project Num: 1038	Dept Head: Brandie Ekren	Project Description: Improvements made to the Grand Traverse Substation to allow for the split of the Grand Traverse Substation with Wolverine Power Cooperative.
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000
Project Total:									\$350,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$350,000	Cost Total: \$350,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Improve reliability and allow for cost control with future improvements.

Project Justification:

Internal analysis and analysis completed by Wolverine Power Cooperative

Location Description:

Grand Traverse Substation - Keystone Road

Light & Power

Hall St Facility Improvement

Project Information

Project Num: 1733
Category: Capital
Fund Group: Light and Power
Fund Detail: Light and Power

Dept Head: Brandie Ekren
Department: Light and Power Service
Submitted By: Karla Myers-Beman
Staff Priority: Essential (Should Do)

Project Description:
 Improvements to Hall St Substation Facility which includes a new customer service & data center.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$530,000	\$0	\$0	\$0	\$0	\$0	\$530,000
Project Total:									\$530,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$530,000	Cost Total: \$530,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Better customer service

Project Justification:

Enhance customer experience

Location Description:

130 Hall St

Light & Power

HASTINGS SERVICE CENTER FACILITY IMPROVEMENTS

Project Information

Project Num: 824	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Site improvements to existing facility.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Facilities	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$1,050,000	\$242,500	\$245,000	\$50,000	\$50,000	\$550,000	\$2,187,500
Project Total:									\$2,187,500

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,187,500	Cost Total: \$2,187,500
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Efficiency of operations

Project Justification:

Internal analysis

Location Description:

1131 Hastings Street

Light & Power

MDOT Grandview PKWY

Project Information

Project Num: 1755	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Relocation of facilities along the parkway for road widening.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

none

Project Justification:

required by the state

Location Description:

Grandview PKWY

Light & Power

METER PURCHASES

Project Information

Project Num: 1241	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Replacement of non working meters and installation of meters at new locations.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$165,000	\$180,000	\$195,000	\$210,000	\$225,000	\$240,000	\$1,215,000
Project Total:									\$1,215,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,215,000	Cost Total: \$1,215,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Annual operation cost

Project Justification:

Required for operations

Location Description:

Throughout the entire service area.

Light & Power

OVERHEAD LINE IMPROVEMENTS

Project Information

Project Num: 811	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Accumulation of small construction/replacement projects of overhead distribution facilities involving the use of wire, poles, meters, cabinets and transformers.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Distribution	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$550,000	\$600,000	\$650,000	\$700,000	\$750,000	\$800,000	\$4,050,000
Project Total:									\$4,050,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$4,050,000	Cost Total: \$4,050,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Reduce the potential of future maintenance costs.

Project Justification:

Internal analysis

Location Description:

Entire Service Area

Light & Power

PC-22 CIRCUIT AVENUE E

Project Information

Project Num: 1127	Dept Head: Brandie Ekren	Project Description: Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc to include conversion of overhead facilities to underground as appropriate.
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$470,000	\$0	\$0	\$0	\$470,000
Project Total:									\$470,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$470,000	Cost Total: \$470,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Back lot area from Parsons Rd to Munson Ave

Light & Power

REBUILD CIRCUIT - CD-24 - SECTIONALIZING

Project Information

Project Num: 1179	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc to include conversion of overhead facilities to underground as appropriate.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$344,000	\$0	\$0	\$0	\$344,000
Project Total:									\$344,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$344,000	Cost Total: \$344,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Pine St south of Fourteenth St

Light & Power

REBUILD CIRCUIT - CD-31/SS-30 - SMART GRID

Project Information

Project Num: 1125	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc to include conversion of overhead facilities to underground as appropriate.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000
								Project Total:	\$250,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$250,000	Cost Total: \$250,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Smart Grid Automatic Restoration

Light & Power

REBUILD CIRCUIT - GRANDVIEW PKWY - PRIMARY

Project Information

Project Num: 1116	Dept Head: Brandie Ekren	Project Description: Replace end of life underground facilities with new wire, transformers, and cabinets as required.
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Distribution	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Grandview Parkway and behind buildings north of Front Street

Light & Power

REBUILD CIRCUIT - HL-33 - LOCUST STREET

Project Information

Project Num: 1124	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc to include conversion of overhead facilities to underground as appropriate.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$220,000	\$220,000	\$0	\$0	\$440,000
Project Total:									\$440,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$440,000	Cost Total: \$440,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Locust Street

Light & Power

REBUILD CIRCUIT - HL-33 - WADSWORTH ST

Project Information

Project Num: 1117	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace underbuilt distribution line hardware and transfer to
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	new transmission poles
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$859,000	\$859,000
Project Total:									\$859,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$859,000	Cost Total: \$859,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Wadsworth St from Fifth to Thirteenth Street

Light & Power

REBUILD CIRCUIT - PC-22 - MUNSON, DAVIS TO 3 MILE

Project Information

Project Num: 1118	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc to include conversion of overhead facilities to underground as appropriate.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$687,000	\$0	\$0	\$0	\$687,000
Project Total:									\$687,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$687,000	Cost Total: \$687,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

OH Munson Avenue from Davis Street to Three Mile Rd

Light & Power

REBUILD CIRCUIT - PC-22 - TOM'S MARKET EAST

Project Information

Project Num: 1122	Dept Head: Brandie Ekren	Project Description: Convert overhead facilities above and next to building to underground
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000	\$165,000
								Project Total:	\$165,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$165,000	Cost Total: \$165,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Behind Tom's Market East Bay

Light & Power

REBUILD CIRCUIT - SS-31 - CRESTWOOD

Project Information

Project Num: 1123	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replace end of life underground facilities with new wire, transformers, and cabinets as required, includes rerouting for easier access to equipment
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$275,000
Project Total:									\$275,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$275,000	Cost Total: \$275,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Rebuilding circuits to increase reliability of the system and minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Crestwood

Light & Power

S. AIRPORT ROAD TIE

Project Information

Project Num: 1005	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Allow a second feed into a circuit to enhance reliability in the southwest service area.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Distribution	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$1,059,000	\$1,059,000	\$0	\$2,118,000
Project Total:									\$2,118,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,118,000	Cost Total: \$2,118,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Reduce the potential of future maintenance costs and increase reliability of the system.

Project Justification:

System study

Location Description:

Southwest part of the distribution system.

Light & Power

SMART GRID - CAPACITOR BANKS

Project Information

Project Num: 1240	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Replacement of capacitor bank and controls with updated devices to allow for remote controls to better regulate voltage and VAR throughout the system.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$180,000	\$180,000	\$0	\$0	\$0	\$0	\$360,000
Project Total:									\$360,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$360,000	Cost Total: \$360,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Minimize distribution losses

Project Justification:

Internal analysis

Location Description:

Throughout the entire service area.

Light & Power

Smart Grid Water Treatment Plant Auto Healing(New)

Project Information

Project Num: 1732	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Fiber communications between new devices, includes auto restoration for approximately 729 customers. (67% of customers on circuit) on one of the worst performing feeders in addition to the water treatment plant
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Project Total:									\$150,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$150,000	Cost Total: \$150,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increases system reliability

Project Justification:

System Study

Location Description:

Water Treatment Plant - 2010 Eastern Ave

Light & Power

SUBSTATION IMPROVEMENT - DISTRIBUTION RELAY

Project Information

Project Num: 1177	Dept Head: Brandie Ekren	Project Description: Installation of more advanced relays to allow for faster identification and clearing of faults within the distribution system.
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000
Project Total:									\$250,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$250,000	Cost Total: \$250,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase distribution system reliability

Project Justification:

System study

Location Description:

All distribution substations

Light & Power

SUBSTATION IMPROVEMENT - TRANSMISSION RELAY

Project Information

Project Num: 1178	Dept Head: Brandie Ekren	Project Description: Installation of more advanced relays to allow for faster identification and clearing of faults within the transmission system.
Category: Capital	Department: Light and Power	
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Light and Power	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000
Project Total:									\$600,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$600,000	Cost Total: \$600,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase system reliability

Project Justification:

System study

Location Description:

Transmission Substations

Light & Power

SUBSTATION TRANSFORMER UPGRADES

Project Information

Project Num: 819	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Installation of higher rated transformers as recommended by
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	Engineers for system reliability due to load growth and age of
Fund Detail: Substation	Staff Priority: Imperative (Must Do)	transformers.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$560,000	\$700,000	\$0	\$0	\$0	\$0	\$1,260,000
Project Total:									\$1,260,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,260,000	Cost Total: \$1,260,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Minimize the potential of future maintenance costs.

Project Justification:

System study

Location Description:

Cass Substation

Light & Power

TRANSMISSION LINE RECONSTRUCTION

Project Information

Project Num:	820	Dept Head:	Brandie Ekren
Category:	Capital	Department:	Light and Power
Fund Group:	Light and Power	Submitted By:	Karla Myers-Beman
Fund Detail:	Transmission	Staff Priority:	Imperative (Must Do)

Project Description:

Reconductor/rebuilding of existing 69kv transmission lines with new lines, higher poles and undergrounding portion of the line to bring circuits to current day standards and in compliance with FAA regulations.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$0	\$0	\$927,000	\$927,000
								Project Total:	\$927,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$927,000	Cost Total: \$927,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Minimize the potential of future maintenance costs and increase reliability of the system.

Project Justification:

System study

Location Description:

Cass Road Junction to Hall Street Substation

Light & Power

UNDERGROUND LINE IMPROVEMENTS

Project Information

Project Num: 1109	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power Service	Accumulation of small construction/replacement projects of
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	underground distribution facilities involving the use of wire,
Fund Detail: Light and Power	Staff Priority: Imperative (Must Do)	poles, meters, cabinets and transformers.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$475,000	\$525,000	\$575,000	\$625,000	\$675,000	\$725,000	\$3,600,000
Project Total:									\$3,600,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$3,600,000	Cost Total: \$3,600,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Improve reliability of the system.

Project Justification:

Internal analysis

Location Description:

Entire service area.

Light & Power

UPGRADE FRONT ST LIGHTING CIRCUITS & RECEPTACLES

Project Information

Project Num: 829	Dept Head: Brandie Ekren	Project Description:
Category: Capital	Department: Light and Power	Upgrade circuit to accommodate increased load and will consist of new conduit, wire and addition of event outlets.
Fund Group: Light and Power	Submitted By: Karla Myers-Beman	
Fund Detail: Joint Projects	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
LAP	Light and Power	\$0	\$0	\$0	\$0	\$450,000	\$450,000	\$500,000	\$1,400,000
Project Total:									\$1,400,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,400,000	Cost Total: \$1,400,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase reliability and service to event holders for that circuit.

Project Justification:

Internal analysis

Location Description:

Downtown north and south along Front Street.

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										Overall Programming Cost			
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds		
Parking													
1745		Demolition of Master Dry Cleaners - Pine	M	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$0
1234		EV Charging Stations - Replacement	M	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0
1209		Hardy Pedestrian Stair Tower Interior	M	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$400,000	\$400,000	\$0
1162		Lot G Parking Garage - Infill Development	C	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000	\$300,000	\$0
1198		Lot J - Parking Meters or Pay Stations	C	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$0
1210		Old Town Pedestrian Stair Towers Interior	M	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$300,000	\$300,000	\$0
1083		Old Town PTAC Units	M	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$0
1743		Parking Garage Restoration	M	\$0	\$100,000	\$400,000	\$400,000	\$0	\$0	\$0	\$900,000	\$900,000	\$0
1230		Signage and Wayfinding	M	\$0	\$100,000	\$0	\$100,000	\$0	\$50,000	\$0	\$300,000	\$250,000	\$0
645		West Front St Redevelopment (BOND)	V	\$0	\$0	\$0	\$0	\$34,000,000	\$0	\$0	\$34,000,000	\$34,000,000	\$0
Total Parking				\$600,000	\$800,000	\$700,000	\$34,000,000	\$350,000	\$0	\$36,600,000	\$36,550,000	\$0	

Parking

Demolition of Master Dry Cleaners - Pine

Project Information

Project Num: 1745
Category: Maintenance
Fund Group: Traverse City Parking System
Fund Detail: Parking System

Dept Head: Jean Derenzy
Department: Parking Services
Submitted By: Nicole VanNess
Staff Priority: Essential (Should Do)

Project Description:

The project will demolish the dry cleaner property that was purchased in 2020. The site is planned as part of the future West End Parking Garage.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000

Project Total: \$200,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$0
Construction: \$200,000
Annual Maint. Cost:
Maint. Year Start:

Cost Total: \$200,000
Project Difference: \$0

Service Impact:

The building is not in use and will not be repurposed.

Project Justification:

The building will be demolished and the site used for future development.

Location Description:

Pine Street

Parking

EV Charging Stations - Replacement

Project Information

Project Num: 1234	Dept Head: Jean Derenzy	Project Description:
Category: Maintenance	Department: Parking Services	Replace existing EV Charging Stations that were installed when the parking structure was built. The current charging stations are unable to be repaired as parts and components are discontinued and obsolete.
Fund Group: Traverse City Parking System	Submitted By: Nicole VanNess	
Fund Detail: Parking System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:	\$15,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Temporary EV charging devices have been installed to replace broken units. These units are basic and intended for personal use. Newer units would offer additional functionality and ability to charge for power usage.

Project Justification:

It is important to replace existing units and add more charging opportunities in the downtown area.

Location Description:

Old Town Parking Structure, 125 E Eighth Street

Parking

Hardy Pedestrian Stair Tower Interior

Project Information

Project Num:	1209	Dept Head:	Jean Derenzy
Category:	Maintenance	Department:	Parking Services
Fund Group:	Traverse City Parking System	Submitted By:	Nicole VanNess
Fund Detail:	Parking System	Staff Priority:	Essential (Should Do)

Project Description:

This is a maintenance project that will be performed over multiple years. The work is to repaint the interior from the ground level to level 4 and will include the walls, handrails and doors. The towers have not been refreshed since the garage was built in 2003. The work will not be performed until the window seals are replaced/repared and all leaks are caulked.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$400,000
Project Total:									\$400,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$400,000	Cost Total: \$400,000
Annual Maint. Cost:	\$5,000	Project Difference: \$0
Maint. Year Start:	2023	

Service Impact:

This is routine maintenance. Once complete, it will be scheduled for maintenance again in 15 years.

Project Justification:

Water damage has caused the paint to bubble, peel and some molding. This work is needed to remove accumulated dust and dirt that exists in the cinderblocks, cracks and crevasses.

Location Description:

Hardy Parking Garage, 303 East State Street

Parking

Lot G Parking Garage - Infill Development

Project Information

Project Num: 1162
Category: Capital
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Jean Derenzy
Staff Priority: Imperative (Must Do)

Project Description:

This would be part of a public/private partnership for the redevelopment of Lot G.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$0
Construction: \$300,000
Annual Maint. Cost:
Maint. Year Start:

Cost Total: \$300,000
Project Difference: \$0

Service Impact:

Improvement of surface parking lot to mixed use development

Project Justification:

Work in tandem with the West Front Street Parking Structure.

Location Description:

Parking Lot G

Parking

Lot J - Parking Meters or Pay Stations

Project Information

Project Num: 1198	Dept Head: Jean Derenzy	Project Description: The FishPass project will completely reconstruct parking lot J south of the Sixth St Dam. The project scope includes providing marking off the locations where single space meters can be installed after the project is complete. This project is to purchase and install single space or multi-space parking meters.
Category: Capital	Department: Parking Services	
Fund Group: Traverse City Parking System	Submitted By: Nicole VanNess	
Fund Detail: Parking System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Project Total:									\$50,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$50,000	Cost Total: \$50,000
Annual Maint. Cost:	\$1,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Following the completion of the FishPass project, the lot will return to regular parking operations. Multi-space meters offer more payment options and reduce staff collection times.

Project Justification:

Installing the parking meters will return the lot to its pre-construction state.

Location Description:

Parking Lot J - Union Street and Sixth Street

Parking

Old Town Pedestrian Stair Towers Interior

Project Information

Project Num:	1210	Dept Head:	Jean Derenzy
Category:	Maintenance	Department:	Parking Services
Fund Group:	Traverse City Parking System	Submitted By:	Nicole VanNess
Fund Detail:	Parking System	Staff Priority:	Essential (Should Do)

Project Description:

This work will be performed from the ground level to levels 4. This work will be performed inside the towers and include repainting walls, handrails and doors. This is a multi-year project. Work will be performed after the window seals are replaced or caulked. Interior maintenance to refresh the towers has not been performed since the opening of the garage in 2010.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:	\$5,000	Project Difference: \$0
Maint. Year Start:	2022	

Service Impact:

Routine maintenance to clean accumulated dirt, dust and debris from crevasses.

Project Justification:

This is an ongoing cost to refresh the area and work is performed in 15 year increments.

Location Description:

Old Town Parking Garage, 125 E Eighth Street

Parking

Old Town PTAC Units

Project Information

Project Num: 1083	Dept Head: Jean Derenzy	Project Description: Replace all PTAC units at the Old Town Parking Garage (elevators, pedestrian towers, office). Replacement will be from the Old Town Fund 585-587.
Category: Maintenance	Department: Parking Services	
Fund Group: Traverse City Parking System	Submitted By: Nicole VanNess	
Fund Detail: Parking System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Project Total:									\$50,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$50,000	Cost Total: \$50,000
Annual Maint. Cost:	\$1,000	Project Difference: \$0
Maint. Year Start:	2034	

Service Impact:

No impact, equipment replacement

Project Justification:

Routine equipment replacement for end of life equipment.

Location Description:

Old Town Parking Garage, 125 E Eighth Street

Parking

Parking Garage Restoration

Project Information

Project Num:	1743	Dept Head:	Jean Derenzy
Category:	Maintenance	Department:	Parking Services
Fund Group:	Traverse City Parking System	Submitted By:	Nicole VanNess
Fund Detail:	Parking System	Staff Priority:	Imperative (Must Do)

Project Description:

The project will start with a construction engineering firm analyzing the current conditions, repairs and preventative measures needed to maintain the parking garage and extend its useful life. The selected construction engineering firm will assist with bid documents and proposal reviews to ensure all items are captured. The awarded contractor will have a two year period to perform the needed work on both parking garages.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$100,000	\$400,000	\$400,000	\$0	\$0	\$0	\$900,000
Project Total:									\$900,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$100,000	
Construction:	\$800,000	
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		
		Cost Total: \$900,000

Service Impact:

The overall maintenance performed may result in some lane or parking bay closures.

Project Justification:

The Parking System obtains a five year maintenance report and completes the identified work items in order to maintain and extend the life of the parking structure. These preventative measures will reduce the cost of major repairs that are needed over time.

Location Description:

Hardy Parking Garage, 303 East State Street and Old Town Parking Garage, 125 E Eighth Street

Parking

Signage and Wayfinding

Project Information

Project Num: 1230	Dept Head: Jean Derenzy	Project Description: This will be a multi-year project to replace signage and wayfinding for the Hardy and Old Town Parking Garages and throughout the field within the parking system. This is a maintenance item as planned for signage that will be 20+ years old.
Category: Maintenance	Department: Parking Services	
Fund Group: Traverse City Parking System	Submitted By: Nicole VanNess	
Fund Detail: Parking System	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
APS	Parking System	\$0	\$100,000	\$0	\$100,000	\$0	\$50,000	\$0	\$250,000
Project Total:									\$250,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$-50,000
Maint. Year Start:		

Service Impact:

No service impacts identified as this project is for complete replacement.

Project Justification:

Existing signage will be 20+ years old and should be replaced to improve the user experience.

Location Description:

Hardy Parking Garage, 303 E State Street, Old Town Parking Garage, 125 E Eighth Street, and all field service locations within the parking system.

Parking

West Front St Redevelopment (BOND)

Project Information

Project Num: 645
Category: Visionary
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Parking Services
Submitted By: Jean Derenzy
Staff Priority: Essential (Should Do)

Project Description:

Build an approximately 600 space parking deck to serve the west side of downtown. This project is a bond.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$34,000,000	\$0	\$0	\$34,000,000
								Project Total:	\$34,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$3,400,000	
Construction:	\$30,600,000	Cost Total: \$34,000,000
Annual Maint. Cost:	\$500,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Estimated annual maintenance of \$220,000

Project Justification:

Construction of 600 space Parking Structure on West State Street and Pine Street.

Location Description:

100 blk of West State Street and Pine St

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan.

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Overall Programming Cost			
									Project Cost	City Funds	Non-City Funds	
Parks												
+ 928	American Legion Park Improvements	C	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$35,000	\$115,000
1761	ARPA Tree Project	C	\$0	\$66,200	\$59,200	\$74,600	\$0	\$0	\$0	\$0	\$0	\$200,000
+ 1222	Barrier-free Public Restrooms - Hickory Old Lodge	V	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$25,000	\$75,000
539	Boon Street Park Playground Improvements	C	\$58,000	\$0	\$0	\$0	\$0	\$0	\$0	\$58,000	\$58,000	\$0
+ 26	Bryant Park Improvements	C	\$0	\$0	\$0	\$210,000	\$0	\$0	\$0	\$210,000	\$95,000	\$115,000
1194	Hannah Park Improvements	V	\$0	\$0	\$0	\$336,000	\$0	\$0	\$0	\$300,000	\$336,000	\$0
+ 1215	Hickory Hills Lodge Acoustical Improvements	V	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$35,000	\$15,000
+ 1721	Hickory Hills Swede Homologation and Sledding Hill	M	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$55,000
1714	Multiple Parks Bathroom Updates	C	\$0	\$0	\$85,000	\$0	\$0	\$0	\$0	\$85,000	\$85,000	\$0
1756	Open Space Seawall/Sidewalk Repair/Replacement	C	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$0
1716	Park Sign Fabrication and Installation	C	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000	\$150,000	\$0
+ 1020	West End Beach Bathhouse Project	C	\$0	\$0	\$401,000	\$0	\$0	\$0	\$0	\$401,000	\$200,500	\$200,500
Total Parks			\$246,200	\$695,200	\$720,600	\$50,000	\$0	\$0	\$0	\$1,534,000	\$1,064,500	\$775,500

Parks

American Legion Park Improvements

Project Information

Project Num:	928	Dept Head:	Frank Dituri	Project Description:	
Category:	Capital	Department:	Department of Public Services	The improvements to American Legion Park could include terracing to create different levels of the park to make it more usable for sitting areas, small events and river access opportunities. Landscaping around the Veteran's monument would also be important.	
Fund Group:	General	Submitted By:	Michelle Hunt		
Fund Detail:	Parks & Rec	Staff Priority:	Important (Could Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$35,000
LFG	Local / Foundation Grant	\$0	\$0	\$65,000	\$0	\$0	\$0	\$0	\$65,000
P	Private	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
								Project Total:	\$150,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$10,000		
Construction:	\$140,000	Cost Total:	\$150,000
Annual Maint. Cost:	\$1,000	Project Difference:	\$0
Maint. Year Start:	2024		

Service Impact:

Minimal increased costs for maintenance as compared to current operations.

Project Justification:

Currently the landscape of the park makes it difficult for the space to be used for gathering or small events so improvements would help activate the park. This project is listed in the Parks & Recreation 5 year master plan.

Location Description:

200 Washington Street

Parks

ARPA Tree Project

Project Information

Project Num: 1761	Dept Head: Frank Dituri	Project Description: This is a multi year project to spend \$200,000 of ARPA funding dedicated to tree planting.
Category: Capital	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$66,200	\$59,200	\$74,600	\$0	\$0	\$0	\$200,000
Project Total:									\$200,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$0
Annual Maint. Cost:	\$74,600	Project Difference: \$200,000
Maint. Year Start:	2025	

Service Impact:

Adding trees to tree inventory

Project Justification:

This project is aligned with the City Commission goals to spend ARPA funds for tree planting

Location Description:

City Wide

Parks

Barrier-free Public Restrooms - Hickory Old Lodge

Project Information

Project Num: 1222	Dept Head: Frank Dituri	Project Description:
Category: Visionary	Department: Department of Public Services	Accessible, Barrier-free public restrooms at the old lodge at Hickory Hills.
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
GEN	General Fund	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$25,000
P	Private	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$25,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increased service/accessibility for our user groups.

Project Justification:

Ski Club has requested public restrooms in proximity to the most used slopes for racing season. Seasonally, disc golf users and mountain bike users would like a facility near the middle of the property. This facility will service all user groups at Hickory.

Location Description:

2000 Randolph Street. Hickory Hills.

Parks

Boon Street Park Playground Improvements

Project Information

Project Num: 539	Dept Head: Frank Dituri	Project Description: This neighborhood park has a mixture of thirty year old and older pieces of play equipment. All equipment should be replaced, a new picnic area should be established and the trail should have defined ADA pathways (sidewalk or limestone fines) to improve access.
Category: Capital	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$58,000	\$0	\$0	\$0	\$0	\$0	\$0	\$58,000
Project Total:									\$58,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$3,000	
Construction:	\$55,000	Cost Total: \$58,000
Annual Maint. Cost:	\$1,000	Project Difference: \$0
Maint. Year Start:	2023	

Service Impact:

Annually the parks department would have to spread woodchips and minor increased maintenance activities when the picnic area is heavily used.

Project Justification:

All playground equipment is in need of replacement along with the addition of ADA accessible play pieces and general park accessibility. Creating an improved picnic area will increase park use over time.

Location Description:

925 Boon Street

Parks

Bryant Park Improvements

Project Information

Project Num:	26	Dept Head:	Frank Dituri
Category:	Capital	Department:	Department of Public Services
Fund Group:	General	Submitted By:	Michelle Hunt
Fund Detail:	Parks & Rec	Staff Priority:	Essential (Should Do)

Project Description:

Bryant Park is one of the most utilized parks in the City, so it has been identified that expanding the parking lot will reduce the congestion on Peninsula Dr. the neighborhood and the church. Additionally, a retaining wall will greatly reduce the amount of sand that blows up into the turf area during the late fall to early spring period. It will also help to stop the encroachment of the sand and shrinking of the turf areas.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$0	\$95,000	\$0	\$0	\$0	\$95,000
FSG	Federal / State Grant	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000
LFG	Local / Foundation Grant	\$0	\$0	\$0	\$15,000	\$0	\$0	\$0	\$15,000
Project Total:									\$210,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$15,000	
Construction:	\$195,000	Cost Total: \$210,000
Annual Maint. Cost:	\$2,000	Project Difference: \$0
Maint. Year Start:	2023	

Service Impact:

Decreased expenses from pothole patching and parking lot maintenance. Also decreased maintenance expense from sand blowing each spring with the implementation of a retaining wall. Potential for increased expenses for plowing a larger parking lot.

Project Justification:

The installation of a retaining wall at Bryant Park is identified in the Parks & Recreation 5 year master plan, and the other amenities have been identified as needed due to the high use the park sees throughout the summer, specifically on weekends and during special events.

Location Description:

1101 Peninsula Dr

Parks

Hannah Park Improvements

Project Information

Project Num: 1194	Dept Head: Frank Dituri	Project Description:
Category: Visionary	Department: Department of Public Services	Improvements for Hannah Park associated with Lower Boardman River.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	Scope of project is yet to be determined per Frank Dituri
Fund Detail: TIF Old Town	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF2	TIF Old Town	\$0	\$0	\$0	\$336,000	\$0	\$0	\$0	\$336,000
Project Total:									\$336,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:	\$5,000	Project Difference: \$36,000
Maint. Year Start:	2026	

Service Impact:

Improve park amenities

Project Justification:

Enhance park for public use

Location Description:

Corner of Union and Sixth Streets

Parks

Hickory Hills Lodge Acoustical Improvements

Project Information

Project Num: 1215	Dept Head: Frank Dituri	Project Description: During initial construction of the new lodge in 2018, acoustic work was deferred for cost savings. After two years of operation, the lack of acoustics in the main event area could be detrimental to future rentals.
Category: Visionary	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$0	\$0	\$35,000	\$0	\$0	\$35,000
P	Private	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
								Project Total:	\$50,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$50,000	Cost Total: \$50,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase revenue flow at Hickory Hills.

Project Justification:

Provide a quality sound system for the lodge to be used as a rental facility to generate revenue. Generating revenue was identified in the Hickory Hills Master Plan.

Location Description:

Hickory Hills. 2000 Randolph Street.

Parks

Hickory Hills Swede Homologation and Sledding Hill

Project Information

Project Num: 1721	Dept Head: Tim Lodge	Project Description:
Category: Maintenance	Department: Engineering	Currently have 15k + 55K from Ski Club Pass through project
Fund Group: General	Submitted By: Tim Lodge	
Fund Detail: Parks & Rec	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
P	Private	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
Project Total:									\$70,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$0
Annual Maint. Cost:		Project Difference: \$70,000
Maint. Year Start:		

Service Impact:

Hickory Hills and Parks

Project Justification:

Currently have 15k + 55K from Ski Club Pass through project

Location Description:

Hickory Hills

Parks

Multiple Parks Bathroom Updates

Project Information

Project Num: 1714	Dept Head: Frank Dituri	Project Description: Refurbish the interior and exterior doors and siding, new roofs, high efficiency plumbing, LED lighting, light timers, new partitions, automatic door lock timers.
Category: Capital	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$85,000	\$0	\$0	\$0	\$0	\$85,000
Project Total:									\$85,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$85,000	Cost Total: \$85,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

These features are intended to reduce water use, electrical service use and reduce the overall impact our bathrooms have. These upgrades will make the bathrooms safer, reduce cleaning and maintenance costs and provide energy efficient upgrades.

Project Justification:

Park bathrooms with the exception of Clinch are older and the interior features are outdated. Over time we have replaced fixtures and roofing. In order to keep the bathrooms functional for public use, we need to ensure they are safe and well maintained. Adding these features will prolong the life of the bathrooms.

Location Description:

Park Bathrooms include, Bryant, Clinch, East Bay, Hull, Senior Center and Slabtown Corner, West End.

Parks

Open Space Seawall/Sidewalk Repair/Replacement

Project Information

Project Num: 1756	Dept Head: Frank Dituri	Project Description:
Category: Capital	Department: Department of Public Services	Repairing sidewalk and investigating adjacent seawall condition and possible replacement.
Fund Group: Available Capital Project Fund	Submitted By: Frank Dituri	
Fund Detail: Available Capital Projects Fund	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
Project Total:									\$30,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$30,000	
Construction:	\$0	Cost Total: \$30,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Public health, safety & welfare in mitigating a patiently safety risk.

Project Justification:

Public health, safety & welfare in mitigating a patiently safety risk. This area is requiring continued repair/maintenance.

Location Description:

Open Space - 111 E Grandview PKWY

Parks

Park Sign Fabrication and Installation

Project Information

Project Num: 1716	Dept Head: Frank Dituri	Project Description: Currently parks signage in Traverse City, depending on the property is insufficient, aging, or currently non-existent. The park sign project was identified as a priority by the Parks and Recreation Commission for the Parks and Recreation 5 year Master Plan as follows, "Current park signs (entry, wayfinding, etc.) are becoming unsightly. The City is working with Corbin Design for the redesign and fabrication specifications for new signage.
Category: Capital	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Brown Bridge Trust Parks Improvement	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BBTP	Brown Bridge Trust Parks	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Project Total:									\$150,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$150,000	Cost Total: \$150,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Parks will service as informational and wayfinding for park goers. New signs will be focused to reduce long term maintenance.

Project Justification:

The City is working with Corbin Design for the redesign and fabrication specifications for new signage. Once fabrication for signage

Location Description:

All city parks

Parks

West End Beach Bathhouse Project

Project Information

Project Num: 1020	Dept Head: Frank Dituri	Project Description: The existing bathroom facility is old, non-ADA compliant and in disrepair. This project proposes to build a new bathhouse/changing room that will be a modern, energy efficient ADA compliant facility. Additionally, the addition of an ADA access to the beach along with picnic & seating areas around the rebuilt bathhouse will be important.
Category: Capital	Department: Department of Public Services	
Fund Group: General	Submitted By: Michelle Hunt	
Fund Detail: Parks & Rec	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$200,500	\$0	\$0	\$0	\$0	\$200,500
GEN	General Fund	\$0	\$0	\$200,500	\$0	\$0	\$0	\$0	\$200,500
Project Total:									\$401,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$401,000	Cost Total: \$401,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Minimal impact to city operations with regard to maintenance or cost increases as there is an existing bathhouse we currently maintain.

Project Justification:

Existing bathhouse is in disrepair and not ADA compliant. This project is referenced in the Parks & Recreation 5 year master plan as a necessity due to the lack of ADA usability. The addition of an ADA access to the beach will provide access to the beach on the West End to all users in proximity to parking.

Location Description:

706 West Grandview Parkway- West End

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan .

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Overall Programming Cost			
									Project Cost	City Funds	Non-City Funds	
Streets												
+ 14	Annual Street Reconstruction Program	M	\$3,800,000	\$1,890,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,690,000	\$0
1758	Barlow Street Road End Reconstruction	V	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0
1233	East Front Street Improvements	C	\$0	\$0	\$1,000,000	\$0	\$0	\$4,200,000	\$0	\$5,200,000	\$5,200,000	\$0
1255	Fourteenth Street Reconstruction	C	\$0	\$0	\$0	\$0	\$0	\$20,000,000	\$0	\$20,500,000	\$0	\$20,000,000
+ 1087	Front Street Streetscapes	C	\$682,000	\$682,000	\$0	\$0	\$0	\$0	\$0	\$1,364,000	\$682,000	\$682,000
+ 1254	Grandview Parkway Reconstruction - City Share	C	\$0	\$228,800	\$0	\$0	\$0	\$0	\$0	\$150,000	\$169,000	\$59,800
1731	Reconstruction of intersections Union & Cass	C	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0
+ 1159	Snowmelt (Old Town)	C	\$0	\$400,000	\$0	\$803,532	\$803,532	\$0	\$0	\$2,007,064	\$1,003,532	\$1,003,532
1751	State of the Art Brine Mixing Facility & Sensors	C	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0
+ 889	Traffic Calming	V	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$350,000	\$0
15	Traffic Signal Improvements	V	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$0
16	Traffic Signal Upgrades	V	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0
1089	Tree Replacement	M	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$0	\$0	\$125,000	\$125,000	\$0
1197	Union Street Streetscapes	V	\$0	\$0	\$0	\$0	\$409,200	\$409,200	\$0	\$818,400	\$818,400	\$0
1248	Veterans Drive Resurfacing	C	\$0	\$0	\$338,800	\$0	\$0	\$0	\$0	\$490,000	\$0	\$338,800
Total Streets				\$4,200,800	\$2,163,800	\$828,532	\$1,237,732	\$24,609,200	\$0	\$31,754,464	\$15,462,932	\$22,084,132

Streets

Annual Street Reconstruction Program

Project Information

Project Num:	14	Dept Head:	Tim Lodge
Category:	Maintenance	Department:	Engineering
Fund Group:	General	Submitted By:	Tim Lodge
Fund Detail:	Streets	Staff Priority:	Essential (Should Do)

Project Description:

This is an annual program that provides funds to resurface major and minor streets within the city limits. The streets division determines locations for pavement preservation funded by the Grand Traverse County Road Commission Millage. Funds can only be used for street reconstruction and/or rehabilitation. Sidewalk or utility projects are not eligible. The Eighth Street Reconstruction project utilized the general fund allocations for 2019/20 and 2020/21 fiscal years. Randolph Street from Bay Street to Division St. was reconstructed in 2020. Jefferson St. and Madison St. are slated for 22/23 construction. In the coming fiscal years the following streets: E. 11th, E. 10th, Monroe, 7th, Sheffer, Pinecrest, W. Orchard, E. Orchard, S. Orchard, N. Orchard, and existing gravel streets (Griffin, Fulton) are on the list for street reconstruction and are coordinated with utility fund projects. Railroad Ave, failed concrete street reconstruction.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$1,890,000	\$0	\$0	\$0	\$0	\$0	\$1,890,000
GEN	General Fund	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,800,000
RCMF	Road Commission Millage Fund	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000

Project Total: \$5,690,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$0
Construction: \$0
Annual Maint. Cost:
Maint. Year Start:

Cost Total: \$0
Project Difference: \$5,690,000

Service Impact:

None.

Project Justification:

Maintenance

Location Description:

Streets

City-wide

Streets

Barlow Street Road End Reconstruction

Project Information

Project Num: 1758	Dept Head: Tim Lodge	Project Description:
Category: Visionary	Department: Planning and Zoning	Reconstruction of the Barlow Street Road End between Front Street and the GT Bay.
Fund Group: Available Capital Project Fund	Submitted By: Shawn Winter	
Fund Detail: Available Capital Projects Fund	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000
Project Total:									\$500,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$500,000	
Construction:	\$0	Cost Total: \$500,000
Annual Maint. Cost:	\$50,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Improve our streets and mobility to be in line with the City's expectations.

Project Justification:

Improve our streets and mobility to be in line with the City's expectations.

Location Description:

Reconstruction of the Barlow Street Road End between Front Street and the GT Bay.

Streets

East Front Street Improvements

Project Information

Project Num: 1233
Category: Capital
Fund Group: Tax Increment Financing
Fund Detail: TIF 97

Dept Head: Jean Derenzy
Department: Downtown Development
Submitted By: Jean Derenzy
Staff Priority: Essential (Should Do)

Project Description:

Street reconstruction with utility rehabilitation and replacement. New curbs, street trees, benches, bike racks, and sidewalk along East Front between Boardman Ave. and Grandview Parkway. The City will request participation from TCLP for lighting associated with the streetscape. Please see CIP project 1043 for TCLP work items. Utility funds will be utilized and coordinated with the street project. The utility projects associated with this project are in the CIP: 1052 and 1053. This project should incorporate Project 972-21 (Mini Park Upgrade)

TIF 97 Funds or another source of funding to be used in 2020/2021 for cost estimates from Plan originated in 2017/2018.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$0	\$1,000,000	\$0	\$0	\$4,200,000	\$0	\$5,200,000
Project Total:									\$5,200,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$295,000	
Construction:	\$4,905,000	Cost Total: \$5,200,000
Annual Maint. Cost:	\$20,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Less impact for City operations for repair and maintenance for the streets and sidewalks.

Project Justification:

There have been no improvements to East Front Street for over 25 years. Design completed with components needed for connectivity to Lower Boardman Plan as well as working with City on non-motorized transportation system plan.

Location Description:

East Front Street from Grandview Parkway to Boardman Ave

Streets

Fourteenth Street Reconstruction

Project Information

Project Num:	1255	Dept Head:	Tim Lodge	Project Description:	
Category:	Capital	Department:	Engineering	Complete reconstruction including stormwater management,	
Fund Group:	Other	Submitted By:	Tim Lodge	with potential water and sewer replacement as evaluated.	
Fund Detail:	Available Capital Projects Fund	Staff Priority:	Important (Could Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$0	\$0	\$20,000,000	\$0	\$20,000,000
								Project Total:	\$20,000,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$500,000		
Construction:	\$20,000,000	Cost Total:	\$20,500,000
Annual Maint. Cost:		Project Difference:	\$-500,000
Maint. Year Start:	2027		

Service Impact:

Reduce future maintenance by the City of Traverse City Streets Department, and address aging underground infrastructure and deteriorating street and sidewalk conditions.

Project Justification:

Potential grant monies may be received that will be intended for this infrastructure project.

Location Description:

Fourteenth Street from Division to Lake Ridge Drive.

Streets

Front Street Streetscapes

Project Information

Project Num: 1087	Dept Head: Jean Derenzy	Project Description:
Category: Capital	Department: Downtown Development	Upgrade streetscapes on Front Street. Boardman Ave to Pine St. This project will include sidewalk snowmelt.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF 97	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$341,000	\$341,000	\$0	\$0	\$0	\$0	\$0	\$682,000
TIF97	TIF 97	\$341,000	\$341,000	\$0	\$0	\$0	\$0	\$0	\$682,000
Project Total:									\$1,364,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$132,000	
Construction:	\$1,232,000	Cost Total: \$1,364,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Minor sidewalk and street closures

Project Justification:

Original streetscapes at end of life and need to be upgraded

Location Description:

100/200 blocks of East Front Street

Streets

Grandview Parkway Reconstruction - City Share

Project Information

Project Num:	1254	Dept Head:	Tim Lodge
Category:	Capital	Department:	Engineering
Fund Group:	General	Submitted By:	Tim Lodge
Fund Detail:	Available Capital Projects Fund	Staff Priority:	Imperative (Must Do)

Project Description:

The Michigan Department of Transportation (MDOT) is reconstructing Grandview Parkway from Division St. to Garfield Rd. in 2023. The project will include intersection enhancements, Murchie Bridge rocker replacement, stormwater upgrades, traffic signal adjustments, sidewalk widening (proposed 5') and ADA upgrades, enhanced non-motorized pedestrian crossings, signing, and pavement markings. The City is responsible for stormwater improvements, irrigation, and landscaping.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$94,000	\$0	\$0	\$0	\$0	\$0	\$94,000
FSG	Federal / State Grant	\$0	\$59,800	\$0	\$0	\$0	\$0	\$0	\$59,800
GEN	General Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
Project Total:									\$228,800

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$150,000	Cost Total:	\$150,000
Annual Maint. Cost:		Project Difference:	\$78,800
Maint. Year Start:			

Service Impact:

Mitigate stormwater/drainage issues along project limits.

Project Justification:

Improve storm sewer along Garfield for flow and shared BMPS's treatments at Rose, Barlow, and 2nd Street. Replace existing irrigation and landscaping that will be removed by the MDOT for construction.

Location Description:

Grandview Parkway from Division Street to Garfield Road.

Streets

Reconstruction of intersections Union & Cass

Project Information

Project Num: 1731	Dept Head: Jean Derenzy	Project Description:
Category: Capital	Department: Downtown Development	Reconstruction of the two intersections, Cass and 8th and Union and 8th.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF Old Town	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$300,000	
Construction:	\$0	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:	2024	

Service Impact:

Maintenance will be required to maintain the intersections similar to other downtown streets.

Project Justification:

Intersections have missing and cracked bricks, the intersections has broken down of time from extensive use.

Location Description:

Cass & 8th and Union & 8th

Streets

Snowmelt (Old Town)

Project Information

Project Num: 1159	Dept Head: Jean Derenzy	Project Description:
Category: Capital	Department: Downtown Development	Snowmelt system for sidewalks along Eighth, Union, Cass and Lake Avenue. This project should be coordinated with the Union Street Streetscapes (1197-21-CIP).
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF Old Town	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$200,000	\$0	\$401,766	\$401,766	\$0	\$0	\$1,003,532
TIF2	TIF Old Town	\$0	\$200,000	\$0	\$401,766	\$401,766	\$0	\$0	\$1,003,532
Project Total:									\$2,007,064

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,007,064	Cost Total: \$2,007,064
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:	2024	

Service Impact:

This project would reduce the need for snow removal on sidewalks along these streets and allow for increased pedestrian access. The DDA will work with property owners on the boiler system, but ultimately responsibility for management and maintenance will rest with the property owners.

Project Justification:

This project is part of an overall plan to incorporate snow melt within the two downtown TIF Districts. The snowmelt system will allow for greater pedestrian access to retail merchants in each TIF District

Location Description:

Eighth, Union, Cass and Lake Streets in the Old Town TIF District, as well as near Boardman Lake.

Streets

State of the Art Brine Mixing Facility & Sensors

Project Information

Project Num: 1751	Dept Head: Frank Dituri	Project Description: New state of the art brine mixing facility to include new building and equipment. Inground temperature sensors and associated software purchase.
Category: Capital	Department: Department of Public Services	
Fund Group: Garage	Submitted By: Frank Dituri	
Fund Detail: Facilities	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GAR	Garage Fund	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

City-wide operations & maintenance improvements and reduction in salt/sand costs.

Project Justification:

City-wide operations & maintenance improvements and reduction in salt/sand costs.

Location Description:

625 Woodmere Ave

Streets

Traffic Calming

Project Information

Project Num: 889	Dept Head: Tim Lodge	Project Description: Funding for Traffic Calming infrastructure improvements per City Commission.
Category: Visionary	Department: Engineering	
Fund Group: General	Submitted By: Tim Lodge	
Fund Detail: Streets	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
GEN	General Fund	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
Project Total:									\$350,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$0
Annual Maint. Cost:		Project Difference: \$350,000
Maint. Year Start:		

Service Impact:

Additional infrastructure requiring operation, maintenance, and replacement.

Project Justification:

Improving safety and traffic concerns.

Location Description:

City-wide.

Streets

Traffic Signal Improvements

Project Information

Project Num:	15	Dept Head:	Tim Lodge
Category:	Visionary	Department:	Engineering
Fund Group:	General	Submitted By:	Tim Lodge
Fund Detail:	Streets	Staff Priority:	Essential (Should Do)

Project Description:

Provide funding to replace traffic signal systems in accordance with the traffic study conducted by AECOM. Also to invest in cabinets, battery back ups, et cetera.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000
Project Total:									\$125,000

COST DETAIL:

Study:	\$0
Land Acquisition / ROW:	\$0
Engineering / Design:	\$0
Construction:	\$0
Annual Maint. Cost:	
Maint. Year Start:	

Cost Total:	\$0
Project Difference:	\$125,000

Service Impact:

Reducing the need for response in brief power outages.

Project Justification:

Replacing aged traffic signal equipment and providing back up emergency power.

Location Description:

Various locations city-wide.

Streets

Traffic Signal Upgrades

Project Information

Project Num:	16	Dept Head:	Tim Lodge
Category:	Visionary	Department:	Engineering
Fund Group:	General	Submitted By:	Tim Lodge
Fund Detail:	Streets	Staff Priority:	Essential (Should Do)

Project Description:

This is an annual program that will fund traffic signal consulting and design for upgrade to the Garfield/Hannah, Parsons traffic signal and the Parsons/Hastings intersection signal.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Project Total:									\$200,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$0	Cost Total: \$0
Annual Maint. Cost:		Project Difference: \$200,000
Maint. Year Start:		

Service Impact:

Reduce operational and maintenance costs.

Project Justification:

Replacing aged traffic signal equipment.

Location Description:

Various locations city-wide.

Streets

Tree Replacement

Project Information

Project Num: 1089	Dept Head: Jean Derenzy	Project Description:
Category: Maintenance	Department: Downtown Development	Replacement of trees when needed throughout the DDA District.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF 97	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF97	TIF 97	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$0	\$0	\$125,000
Project Total:									\$125,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$125,000	Cost Total: \$125,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Temporary Sidewalk Closures

Project Justification:

Trees are overgrown/dying and need to be replaced.

Location Description:

DDA District

Streets

Union Street Streetscapes

Project Information

Project Num: 1197	Dept Head: Jean Derenzy	Project Description: Enhance streetscapes on Union Street. This project should be coordinated with the snowmelt project (1159-21-CIP) in Old Town.
Category: Visionary	Department: Downtown Development	
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF Old Town	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF2	TIF Old Town	\$0	\$0	\$0	\$0	\$409,200	\$409,200	\$0	\$818,400
Project Total:									\$818,400

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$79,200	
Construction:	\$739,200	Cost Total: \$818,400
Annual Maint. Cost:	\$20,000	Project Difference: \$0
Maint. Year Start:	2030	

Service Impact:

Improvements to streetscapes

Project Justification:

Improvements to streetscapes

Location Description:

Union Street

Streets

Veterans Drive Resurfacing

Project Information

Project Num:	1248	Dept Head:	Tim Lodge
Category:	Capital	Department:	Engineering
Fund Group:	Available Capital Project Fund	Submitted By:	Tim Lodge
Fund Detail:	Available Capital Projects Fund	Staff Priority:	Essential (Should Do)

Project Description:

The project includes removal and replacement of the asphalt and concrete pavement as well as constructing new watermain on Veterans Drive between 14th Street and City Limits. The existing curb and gutter will be retained. Sidewalk will be infilled on the west side, north of Boughey Street. Concepts for reducing speeds and stormwater management are being developed. Watermain will be replaced and is accounted for in 1016-22-CIP.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$338,800	\$0	\$0	\$0	\$0	\$338,800
Project Total:									\$338,800

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$20,000	
Construction:	\$470,000	
Annual Maint. Cost:		
Maint. Year Start:		
	Cost Total:	\$490,000
	Project Difference:	\$-151,200

Service Impact:

Improve stormwater management, reduce speeds, and improve underground infrastructure.

Project Justification:

Improve stormwater management, reduce speeds, and improve underground infrastructure.

Location Description:

Veterans Drive from 14th Street to Bay Hill Drive.

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										Overall Programming Cost			
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds		
Walkways													
1090		Franklin Street Promenade	C	\$0	\$0	\$79,500	\$0	\$0	\$0	\$0	\$79,500	\$79,500	\$0
+ 1720		Griffin St Non-Motorized Connector	C	\$0	\$0	\$250,000	\$1,500,000	\$0	\$0	\$0	\$1,750,000	\$250,000	\$1,500,000
1762		Hall Street Crosswalk	V	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$0
1191		M-72 Sidewalk New Construction	V	\$0	\$0	\$0	\$0	\$206,553	\$0	\$0	\$206,553	\$206,553	\$0
1195		Midtown Riverwalk	V	\$0	\$672,000	\$0	\$0	\$0	\$0	\$0	\$672,000	\$672,000	\$0
1196		Riverine Riverwalk	V	\$0	\$0	\$392,000	\$392,000	\$0	\$0	\$0	\$784,000	\$784,000	\$0
1025		Rivers Edge Riverwalk Decking Replacement	M	\$0	\$119,700	\$0	\$0	\$0	\$0	\$0	\$119,700	\$119,700	\$0
1193		Sidewalk construction on the north side of Hill St	V	\$0	\$0	\$976,000	\$0	\$0	\$0	\$0	\$976,000	\$976,000	\$0
+ 1256		TART Trail Improvement and Extension	C	\$450,000	\$8,100,000	\$0	\$0	\$0	\$0	\$0	\$8,550,000	\$300,000	\$8,250,000
+ 1713		TART Transformation 2	C	\$0	\$205,000	\$0	\$0	\$0	\$0	\$0	\$217,300	\$41,000	\$164,000
Total Walkways				\$9,176,700	\$1,697,500	\$1,892,000	\$206,553	\$0	\$0	\$0	\$13,435,053	\$3,508,753	\$9,914,000

Walkways

Franklin Street Promenade

Project Information

Project Num:	1090	Dept Head:	Shawn Winter
Category:	Capital	Department:	Planning and Zoning
Fund Group:	General	Submitted By:	Shawn Winter
Fund Detail:	Parks & Rec	Staff Priority:	Important (Could Do)

Project Description:

Phase 1: An extension of Franklin Street as a promenade to connect the North Boardman Lake District to Boardman Lake. To do this, the project includes moving security gates for the wastewater treatment plant and relocating security fencing.

Phase 2: At a future time when Franklin Street is reconstructed, the street ending should be re-built as a shared street with pedestrian amenities.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$79,500	\$0	\$0	\$0	\$0	\$79,500
Project Total:									\$79,500

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$79,500	Cost Total:	\$79,500
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

Increase service impact due to landscaping, lighting, snow removal.

Project Justification:

Envision 8th Master Plan

Location Description:

Extension of the 500 block of Franklin to Boardman Lake

Walkways

Griffin St Non-Motorized Connector

Project Information

Project Num:	1720	Dept Head:	Shawn Winter
Category:	Capital	Department:	Planning and Zoning
Fund Group:	Available Capital Project Fund	Submitted By:	Shawn Winter
Fund Detail:	Walkways/Bike Paths	Staff Priority:	Essential (Should Do)

Project Description:

Create a non-motorized trail connector along the Griffin St ROW connecting the Boardman Lake Loop Trail and the existing trail to the Commons west of Division St. Project will likely be tied to the Fourteenth Street reconstruction (CIP #1255). Design/Engineering services could potentially be completed in house depending on Engineering Dept. capacity. Estimated construction costs not from an engineer's estimate. Will be determined by final design/engineering and facility type.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
GEN	General Fund	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Project Total:									\$1,750,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$250,000		
Construction:	\$1,500,000	Cost Total:	\$1,750,000
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

Additional pedestrian scale lighting, pavement maintenance, snow removal.

Project Justification:

Previously identified in past non-motorized planning efforts.

Location Description:

Griffin Street ROW between Boardman Lake Loop and existing trail west of Division to the Commons

Walkways

Hall Street Crosswalk

Project Information

Project Num: 1762	Dept Head: Tim Lodge	Project Description:
Category: Visionary	Department: Engineering	Put a speedhump in and raised crosswalk
Fund Group: General	Submitted By: Tim Lodge	
Fund Detail: Available Capital Projects Fund	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000
Project Total:									\$80,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$80,000	Cost Total: \$80,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:	2023	

Service Impact:

none

Project Justification:

traffic calming, drainage

Location Description:

Hall Street mid block across from the current Bata location

Walkways

M-72 Sidewalk New Construction

Project Information

Project Num: 1191	Dept Head: Shawn Winter	Project Description: New sidewalk construction on the north side of M-72 from Old Morgan Trail to the corner of M-72 (East Traverse Highway) and Southwest Bayshore Drive/Grandview Parkway.
Category: Visionary	Department: Planning and Zoning	
Fund Group: Other	Submitted By: Shawn Winter	
Fund Detail: Available Capital Projects Fund	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$0	\$0	\$206,553	\$0	\$0	\$206,553
Project Total:									\$206,553

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$12,910	
Construction:	\$193,644	Cost Total: \$206,553
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

TBD

Project Justification:

TBD

Location Description:

Old Morgan Trail extending to Southwest Bayshore Drive.

Walkways

Midtown Riverwalk

Project Information

Project Num: 1195	Dept Head: Jean Derenzy	Project Description:
Category: Visionary	Department: Parking Services	Maintenance, upgrades and possible replacements for
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	Midtown Riverwalk.
Fund Detail: TIF Old Town	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF2	TIF Old Town	\$0	\$672,000	\$0	\$0	\$0	\$0	\$0	\$672,000
Project Total:									\$672,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$72,000	
Construction:	\$600,000	Cost Total: \$672,000
Annual Maint. Cost:	\$15,000	Project Difference: \$0
Maint. Year Start:	2024	

Service Impact:

Replace and repair damaged boardwalk

Project Justification:

Increase safety for public use

Location Description:

Boardwalk along Midtown Development Adjacent to Eighth Street

Walkways

Riverine Riverwalk

Project Information

Project Num: 1196	Dept Head: Jean Derenzy	Project Description:
Category: Visionary	Department: Downtown Development	Lower Boardman River improvements to accessibility related to Lower Boardman River Unified Plan.
Fund Group: Tax Increment Financing	Submitted By: Jean Derenzy	
Fund Detail: TIF Old Town	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF2	TIF Old Town	\$0	\$0	\$392,000	\$392,000	\$0	\$0	\$0	\$784,000
Project Total:									\$784,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$84,000	
Construction:	\$700,000	Cost Total: \$784,000
Annual Maint. Cost:	\$15,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

Enhance riverwalk

Project Justification:

Enhance the riverwalk for public use

Location Description:

Boardman River south of Eighth Street

Walkways

Rivers Edge Riverwalk Decking Replacement

Project Information

Project Num: 1025	Dept Head: Jean Derenzy	Project Description:
Category: Maintenance	Department: Downtown Development	Replacement of decking on River's Edge Riverwalk
Fund Group: Tax Increment Financing	Submitted By: Rob Baciagalupi	
Fund Detail: Walkways/Bike Paths	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
TIF2	TIF Old Town	\$0	\$119,700	\$0	\$0	\$0	\$0	\$0	\$119,700
Project Total:									\$119,700

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$119,700	Cost Total: \$119,700
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

None foreseen

Project Justification:

Replacement of old decking

Location Description:

River's Edge

Walkways

Sidewalk construction on the north side of Hill St

Project Information

Project Num:	1193	Dept Head:	Shawn Winter
Category:	Visionary	Department:	Planning and Zoning
Fund Group:	General	Submitted By:	Shawn Winter
Fund Detail:	General Government	Staff Priority:	Essential (Should Do)

Project Description:

Construction on the north side of Hill Street, west of Elmwood to Willow Hill Elementary School. This sidewalk section was originally part of the Safe Routes to School plan; however, due to grading and ADA complexities the SRTS grant could not fund the necessary construction for the project. Consideration of road narrowing and a traffic circle at Monroe and Hill Street will also be implemented in this project. This project will connect the pathways indicated by the SRTS heat index maps to be vital to promote a safer, more walkable pathway to and from school.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
GEN	General Fund	\$0	\$0	\$976,000	\$0	\$0	\$0	\$0	\$976,000
Project Total:									\$976,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$96,000	
Construction:	\$880,000	
Annual Maint. Cost:		
Maint. Year Start:		
		Cost Total: \$976,000
		Project Difference: \$0

Service Impact:

2023/24 CIP year, TBD.

Project Justification:

This section of sidewalk was charted to be of substantial impact by Safe Routes to School for a safer, and more walkable pathway for local school children to travel to and from school.

Location Description:

North section of Hill Street, west of Elmwood to Willow Hill Elementary School.

Walkways

TART Trail Improvement and Extension

Project Information

Project Num: 1256
Category: Capital
Fund Group: Other
Fund Detail: Available Capital Projects Fund

Dept Head: Shawn Winter
Department: Planning and Zoning
Submitted By: Shawn Winter
Staff Priority: Important (Could Do)

Project Description:

NOTE: Project name changed from previous years.

Shared Use Path along the waterfront from Division St to Peninsula Dr/Eastern Ave. Widening of existing trail, realignment in places, trail amenities, extension of facility beyond Murchie Bridge. This project may have to be completed in phases depending on funding and design constraints.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
FSG	Federal / State Grant	\$0	\$8,100,000	\$0	\$0	\$0	\$0	\$0	\$8,100,000
P	Private	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
TIF97	TIF 97	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
Project Total:									\$8,550,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$450,000	
Construction:	\$8,100,000	Cost Total: \$8,550,000
Annual Maint. Cost:	\$800,000	Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increased annual maintenance for snow removal and pavement management.

Project Justification:

Increased mobility options, connectivity, and placemaking.

Location Description:

Division to Peninsula Dr/Easter Ave

Walkways

TART Transformation 2

Project Information

Project Num:	1713	Dept Head:	Shawn Winter
Category:	Capital	Department:	Planning and Zoning
Fund Group:	General	Submitted By:	Shawn Winter
Fund Detail:	Walkways/Bike Paths	Staff Priority:	Essential (Should Do)

Project Description:

Reconstruction of existing TART Trail on the southside of Parsons Rd between Hastings and Airport Access. New trail spur on the northside of Parsons from the gates at Oakwood Cemetery to the roundabout. Install new pedestrian signals where the trail crosses Garfield Ave.

Funding has not been identified for this project. It will likely be a mix between city and private funds, with TART Trails assisting in raising the required capital.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
ACPF	Available Capital Projects Fund	\$0	\$41,000	\$0	\$0	\$0	\$0	\$0	\$41,000
FSG	Federal / State Grant	\$0	\$123,000	\$0	\$0	\$0	\$0	\$0	\$123,000
P	Private	\$0	\$41,000	\$0	\$0	\$0	\$0	\$0	\$41,000
Project Total:									\$205,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$12,300	
Construction:	\$205,000	Cost Total: \$217,300
Annual Maint. Cost:		Project Difference: \$-12,300
Maint. Year Start:	2024	

Service Impact:

Primarily replacing existing facility. No significant additional service impacts anticipated

Project Justification:

Replace existing facility that has outlived its useful life, create better non-motorized connections, improve crossing safety. This supports the City Commission's goals of improving mobility, and connecting people to nature and others.

Location Description:

Primarily on the southside of Parsons Rd between Hastings and Airport Access, north side of Parsons between Oakwood Cemetery gate and roundabout, where the trail crosses Garfield Ave

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan. + - Indicates projects with multiple funding										Overall Programming Cost			
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds		
Wastewater													
1052		16" San. Forcemain East Front L.S. To Wellington	M	\$0	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	
+ 1044		2nd Membrane Replacement	M	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$6,000,000	\$2,000,000	\$2,000,000
+ 1171		Aeration Basin /Aerating Equipment Upgrade	C	\$0	\$0	\$0	\$2,500,000	\$0	\$0	\$2,500,000	\$1,250,000	\$1,250,000	
+ 912		Condition Assessment of Digesters 1 and 2	M	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000	\$0	\$0	
+ 904		CWSRF WWTP Headworks and Primary Treatment Upgrade	C	\$0	\$0	\$9,850,000	\$9,850,000	\$0	\$0	\$19,700,000	\$9,850,000	\$9,850,000	
+ 1036		Digester 5 Cleaning and Reconditioning Equipment	M	\$0	\$0	\$0	\$737,500	\$0	\$0	\$737,500	\$368,750	\$368,750	
1729		East Bay Park Storm Sewer Outlet Repair	C	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$0	
+ 971		Enclose Membrane Trains	C	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	
+ 1019		Engineering Study Pertaining to Facility Plan	V	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$37,500	\$37,500	
1001		Front St. Lift Station Upgrade	C	\$0	\$0	\$0	\$3,068,000	\$0	\$0	\$3,068,000	\$3,068,000	\$0	
+ 1172		Membrane Tank Covers or Enclosure Eng. Eval	V	\$0	\$0	\$0	\$38,000	\$0	\$0	\$38,000	\$19,000	\$19,000	
1728		Ramsdell Storm Sewer Upgrade	C	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$0	
+ 1176		RTWWTP-Digester 4 Reconditioning	C	\$0	\$0	\$0	\$1,375,000	\$0	\$0	\$1,375,000	\$687,500	\$687,500	
+ 1078		RWWTP-UPGRADE DIGESTED SOLIDS THICKENING EQUIPMENT	C	\$0	\$0	\$0	\$0	\$1,590,000	\$0	\$1,590,000	\$795,000	\$795,000	
+ 1173		RWWTP-Yard Piping Engineering Evaluation	V	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$37,500	\$37,500	
+ 795		SCADA Upgrade	M	\$155,000	\$0	\$0	\$0	\$0	\$0	\$155,000	\$77,500	\$77,500	
+ 970		TCRWWTP- PLC Upgrade	M	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000	\$225,000	\$225,000	
+ 1168		TRWWTP-Plant Electrical Engineering Evaluation	V	\$0	\$62,500	\$0	\$0	\$0	\$0	\$62,500	\$31,250	\$31,250	
1226		US-31 Garfield to M-72 W Sanitary Sewer Project	V	\$40,000	\$560,000	\$0	\$0	\$0	\$0	\$600,000	\$600,000	\$0	
1033		UV System and Related Structures Upgrade	C	\$0	\$100,000	\$100,000	\$3,600,000	\$0	\$0	\$3,800,000	\$1,900,000	\$1,900,000	
+ 1228		W Trunkline San Sewer Interceptor Lift Station	C	\$0	\$0	\$0	\$4,000,000	\$0	\$0	\$4,000,000	\$1,000,000	\$3,000,000	
1744		WW - West Side Sanitary Sewer Lining	M	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0	
1718		WW Bay St & Birchwood Lift Sta Upgrades	C	\$0	\$0	\$0	\$0	\$1,650,000	\$0	\$1,650,000	\$1,650,000	\$0	
1058		WW Gravity Main Rehab\Repair and PACP Inspections	M	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$2,310,000	\$2,310,000	\$0	

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan . + - Indicates projects with multiple funding										<u>Overall Programming Cost</u>			
Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds		
Wastewater													
1057	WW Manholes Rehabl	Repair and MACP	M	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$300,000	\$300,000	\$0
1719	WWTP MBR Chemical Feed System	Upgrade	M	\$0	\$165,000	\$0	\$0	\$0	\$0	\$0	\$165,000	\$82,500	\$82,500
1722	WWTP Solar Project		C	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000
Total Wastewater				\$2,422,500	\$12,385,000	\$16,373,000	\$11,815,500	\$4,775,000	\$1,000,000		\$53,431,000	\$27,489,500	\$22,361,500

Wastewater

16" San. Forcemain East Front L.S. To Wellington

Project Information

Project Num: 1052	Dept Head: Art Krueger	Project Description: Replace approx. 300 lineal feet of aging 16" forcemain from the Front Street Lift Station along E. Front Street to Wellington Street. This project would be part of the DDA's project - East Front St. Reconstruction.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Art Krueger	
Fund Detail: Sewer Collection System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$100,000	\$0	\$100,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

The pipe condition could not be assessed during the 2015 SAW Grant project since it is always under pressure and full flow. This project provides an opportunity to assess the pipe condition and make informed decisions regarding this and other forcemains in the City.

Project Justification:

2015 SAW Grant recommended replacing this forcemain due to it's age.

Location Description:

429 E. Front Street to Wellington Street.

Wastewater

2nd Membrane Replacement

Project Information

Project Num:	1044	Dept Head:	Art Krueger	Project Description:	
Category:	Maintenance	Department:	Department of Municipal Utilities		Future Project for FY2025-26 through FY2030-31, so negative "Project Difference"; Replace 1 train of membranes each year until all 8 trains of membranes are replaced.
Fund Group:	Waste Water	Submitted By:	Elizabeth Hart		
Fund Detail:	Sewer Plant and Buildings	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000
S	Sewer Fund	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000
								Project Total:	\$4,000,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$6,000,000	Cost Total:	\$6,000,000
Annual Maint. Cost:		Project Difference:	\$-2,000,000
Maint. Year Start:			

Service Impact:

This project will allow the waste water treatment facility to maintain plant capacity, ensuring we can permeate at a rate that meets influent flow demands. Outside the initial purchase of the replacement membrane, there is very little future anticipated maintenance costs. It is recommended that the City budget to replace this train of membranes 8 years after its installation, however, they membranes are expected to last 10 years. This approach will ensure funds are available if something unforeseen occurs that effects the membrane life.

Project Justification:

This project will allow the waste water treatment facility to maintain plant capacity, ensuring we can permeate at a rate that meets influent flow demands and meet the requirement of the facility's NPDES permit.

Location Description:

606 Hannah Avenue

Wastewater

Aeration Basin /Aerating Equipment Upgrade

Project Information

Project Num: 1171	Dept Head: Art Krueger	Project Description: Aeration Basin /Aerating Equipment Upgrade per Evaluation of Tasks 6 and portions of task 3 of the 2018-2019 Facility Plan-to include Ammonia Monitoring for Aeration Control and New Aeration Equipment-Condition Assessment Rated Secondary Treatment process 9th highest risk however blowers have no redundancy are inefficient, and are reaching the end of their useful life.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Imperative (Must Do)	

Total Project Cost was increased by 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$1,250,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$1,250,000
Project Total:									\$2,500,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,500,000	Cost Total: \$2,500,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This project will address any structural issues indentified in the 2021-2022 evaluation, upgrade aerating equipment (including blowers) and add redundancy.

Project Justification:

The blowers currently in service will need to be overhauled/replaced in the near future. These blowers are not as efficient in their energy use as newer blowers. We believe we could save a great deal of energy by upgrading the blowers, the aeration grid or distribution system, and the way we control aeration output. There is also new mixing technologies that would benefit the secondary treatment process by reducing maintenance cost and providing efficiency in electrical usage. In addition, portions of the tank walls have repair exposed and need to be address, and the portion of the tank that the weirs are located is very degraded.

Location Description:

606 Hannah Ave.

Wastewater

Condition Assessment of Digesters 1 and 2

Project Information

Project Num:	912	Dept Head:	Art Krueger	Project Description:	Future Project for FY2030-31, so negative "Project Difference"; Condition Assessment and Engineering Study of Digesters 1 and 2. The project will identify the best use of the vessels and thus the necessary related upgrades and reconditioning.
Category:	Maintenance	Department:	Department of Municipal Utilities		
Fund Group:	Waste Water	Submitted By:	Elizabeth Hart		
Fund Detail:	Sewer Plant and Buildings	Staff Priority:	Important (Could Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Project Total:									\$0

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$80,000	Cost Total: \$80,000
Annual Maint. Cost:		Project Difference: -\$80,000
Maint. Year Start:		

Service Impact:

Digesters 1 and 2 are out of service because they aren't in proper condition to be used for sludge stabilization. An overall evaluation of how best to optimize their use and an assessment of their condition is needed.

Project Justification:

Optimize the use of equipment and available space at the WWTP.

Location Description:

606 Hannah Ave

Wastewater

CWSRF WWTP Headworks and Primary Treatment Upgrade

Project Information

Project Num: 904	Dept Head: Art Krueger	Project Description: WW-Headworks and Primary Treatment Options Study per HRC Engineering Study Performed 2021-2021 concluded that the front half of the WWTP which includes influent screening, grit removal, primary header piping and clarification, and primary effluent pumping need to be upgraded. This major project was included in the 2021 CWSRF Project Plan in year 2 of the 5-year plan (FY-2023-24). The City has applied for project financing in 2024 through the CWSRF loan program with EGLE.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Imperative (Must Do)	

Total Cost increased by 25% for inflation and labor. Project #1033 UV System and Related Structures Upgrade is being added to this project to score higher in SRF since it's under an Administrative Consent Order (ACO).

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$4,925,000	\$4,925,000	\$0	\$0	\$0	\$9,850,000
S	Sewer Fund	\$0	\$0	\$4,925,000	\$4,925,000	\$0	\$0	\$0	\$9,850,000
								Project Total:	\$19,700,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$19,700,000	Cost Total: \$19,700,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This project will upgrade the headworks and primary treatment process by way of reconditioning and/or replacement equipment and structures.

Project Justification:

Headworks processes and primary treatment are essential to treating wastewater. If not operating effectively, it can compromise treatment and lead to additional costs and EGLE permit issues. This project was recommended in the Headworks and Primary Treatment Options Study 2021-2021. This major project was also included in the 2021 CWSRF Project Plan.

Location Description:

606 Hannah Ave

Wastewater

Digester 5 Cleaning and Reconditioning Equipment

Project Information

Project Num: 1036	Dept Head: Art Krueger	Project Description: Digester 5 Cleaning and Reconditioning-Per Facility's Priority Improvements Plan Task 7 and Task 9 Evaluation performed 2022-2023-Update Cost per evaluation-This project is prioritized in accordance with the Asset Management Plan for the Facility and Lift Stations -Condition Assessment Rated Digestion as highest risk
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Essential (Should Do)	

Total project cost increased by 25% due to inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$368,750	\$0	\$0	\$368,750
S	Sewer Fund	\$0	\$0	\$0	\$0	\$368,750	\$0	\$0	\$368,750
Project Total:									\$737,500

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$737,500	Cost Total: \$737,500
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This project ensures the treatment facility is able to properly treat solids created in the process of treating waste water. If we don't treat to a certain quality of solids the biosolids would be unable to be land applied and disposal costs then more than double. This project would add a spare pump its anticipated that quarterly the shaft will have to be rotated and other minor tasks perform to maintain its operability. The cost related to this activity is estimated to be less than \$300/yr.

Project Justification:

Digester 5 has been in service for 15 years and has not been cleaned or inspected since commissioned. Digesters accumulate grit and other debris in them that reduces their capacity, and causes pumping and mixing issues. We need to clean this debris out of the digester to maintain adequate treatment conditions for the solids byproduct created when treating waste water. We need to ensure the pumps are in conditions that will allow them to mix the digester properly to avoid foaming issues and treatment short falls. Recoating the digester and inner piping prevents degradation of the digester concrete and the increased cost to of related restoration.

Location Description:

606 Hannah Ave

Wastewater

East Bay Park Storm Sewer Outlet Repair

Project Information

Project Num:	1729	Dept Head:	Art Krueger	Project Description:	
Category:	Capital	Department:	Department of Municipal Utilities		Replace 135 feet of existing 30-inch concrete storm sewer with new PVC or concrete pipe with water-tight joints at the north end of East Bay Park.
Fund Group:	Waste Water	Submitted By:	Art Krueger		
Fund Detail:	Stormwater Fund	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
Project Total:									\$50,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$50,000	Cost Total:	\$50,000
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

Root intrusion in the existing storm sewer causes flooding in the park and private property near the East Bay Court culdesac.

Project Justification:

Increase reliability and reduce risk of flooding in the park and adjacent private property.

Location Description:

151 S East Bay Blvd

Wastewater

Enclose Membrane Trains

Project Information

Project Num: 971	Dept Head: Art Krueger	Project Description: Future Project for FY2029-30, so negative "Project Difference"; Membrane Tank Covers or Enclosure Upgrade per 2025-2026 Engineering Study. This project will also include the reconditioning of the Membrane bridge crane.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Project Total:									\$0

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,500,000	Cost Total: \$1,500,000
Annual Maint. Cost:		Project Difference: \$-1,500,000
Maint. Year Start:		

Service Impact:

The membranes can not be exposed to ambient temperature below 45 degrees. Currently, there is not a structure around the membrane tanks. Having a structure in place would shelter the membranes from the outside elements, greatly reducing the risk of the membranes freezing, and allowing for maintenance activities year round.

Project Justification:

Improves the ability of the facility to maintain needed equipment vital to meeting the requirements of the facility's NPDES permit.

Location Description:

606 Hannah Ave

Wastewater

Engineering Study Pertaining to Facility Plan

Project Information

Project Num: 1019
Category: Visionary
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Elizabeth Hart
Staff Priority: Essential (Should Do)

Project Description:

This study will encompass tasks 10, 11, and 13 of the Facility's Priority Improvement Plan. Evaluate the facility's HVAC systems for condition and offer more energy-efficient options for replacement. In addition, The valving and piping in the biosolids storage buildings will be evaluated and options for valve automation, and piping repair recommendations will result. Lastly, the windows at the facility will be evaluated for upgrade and to add energy efficiency to the buildings.

12/2/22 Project cost was increased by 25% due to inflation and labor rates.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$37,500	\$0	\$0	\$37,500
S	Sewer Fund	\$0	\$0	\$0	\$0	\$37,500	\$0	\$0	\$37,500
Project Total:									\$75,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$75,000	
Construction:	\$0	Cost Total: \$75,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Evaluate the facility's HVAC systems for condition and offer more energy efficient options for replacement. In addition, The valving and piping in the biosolids storage buildings will be evaluated and options for valve automation, and piping repair recommendations will result. Lastly, the windows at the facility will be evaluated for upgrade and to add energy efficiency to the buildings.

Project Justification:

HVAC systems at the facility are a source of repeated repairs and are not efficient. Upgrading the systems could reduce repair costs and add efficiency. The piping in the biosolids storage building has not been assessed in decades, and the valving system is antiquated. Evaluating the piping can ensure we do not experience unforeseen failures and that we are able to better plan fiscally for any repairs needed. Updating the valving could make operations safer and reduce the time needed to make valving changes. Several of the windows at the facility are very old, replacement will add energy efficiencies and improve security.

Location Description:

606 Hannah Ave

Wastewater

Front St. Lift Station Upgrade

Project Information

Project Num: 1001
Category: Capital
Fund Group: Waste Water
Fund Detail: Sewer Collection System

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Elizabeth Hart
Staff Priority: Essential (Should Do)

Project Description:

This project is prioritized in accordance with the Asset Management Plan for the Facility and Lift Stations - Condition assessment rated the Front St. Lift Station as the 3rd highest risk. The Front St Lift Station will be evaluated in 2021 from a lift station engineering evaluation.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$0	\$0	\$0	\$3,068,000	\$0	\$0	\$3,068,000
Project Total:									\$3,068,000

COST DETAIL:

Study: \$0
Land Acquisition / ROW: \$0
Engineering / Design: \$0
Construction: \$3,068,000
Annual Maint. Cost:
Maint. Year Start:

Cost Total: \$3,068,000
Project Difference: \$0

Service Impact:

Lift station's wet well, piping, metering, and pumps should be upgraded to add dependability and functionality.

Project Justification:

Recommended in 2022 TetraTech Lift Station Engineering Evaluation; Ensures wastewater can be properly conducted to the treatment plant from the City's largest lift station. Needed to plan and budget for necessary upcoming improvements.

Location Description:

429 E. Front St.

Wastewater

Membrane Tank Covers or Enclosure Eng. Eval

Project Information

Project Num: 1172	Dept Head: Art Krueger	Project Description:
Category: Visionary	Department: Department of Municipal Utilities	WW-Membrane Tank Covers or Enclosure Engineering
Fund Group: Waste Water	Submitted By: Elizabeth Hart	Evaluation per Task 8 of the Facility's Priority Plan
Fund Detail: Sewer Plant and Buildings	Staff Priority: Important (Could Do)	Total project cost increased by 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$19,000	\$0	\$0	\$0	\$19,000
S	Sewer Fund	\$0	\$0	\$0	\$19,000	\$0	\$0	\$0	\$19,000
Project Total:									\$38,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$38,000	
Construction:	\$0	Cost Total: \$38,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This study will evaluate options for covering or enclosing the membrane tanks, and includes a cost comparison of options provided.

Project Justification:

Currently, we can not perform recovery cleans or maintenance tasks on the membranes when ambient air temperatures fall below 40 degrees, because they are not covered and exposure to cold temperatures will damage the membrane fibers.

Location Description:

606 Hannah Ave

Wastewater

Ramsdell Storm Sewer Upgrade

Project Information

Project Num:	1728	Dept Head:	Art Krueger	Project Description:	
Category:	Capital	Department:	Department of Municipal Utilities	Replace 180 feet of existing 12-inch clay storm sewer with	
Fund Group:	Waste Water	Submitted By:	Art Krueger	PVC downstream of the Ramsdell Pond area and install one	
Fund Detail:	Stormwater Fund	Staff Priority:	Essential (Should Do)	manhole.	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
Project Total:									\$50,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$50,000	Cost Total: \$50,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Currently, roots often clog this storm sewer and have caused flooding to the upstream pond area that impacts private property in that vicinity. Maintenance is required multiple times per year to remove roots and due to the existing pipe configuration (vertical drop and turn), not all the roots can be accessed to be removed.

Project Justification:

Increase reliability of this storm sewer and significantly reduce the risk of flooding adjacent private property.

Location Description:

South of 120 Watch Hill Lane

Wastewater

RTWWTP-Digester 4 Reconditioning

Project Information

Project Num: 1176
Category: Capital
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Elizabeth Hart
Staff Priority: Imperative (Must Do)

Project Description:

Digester 4 Reconditioning per Facility's Priority Improvements Plan Task 7 Evaluation performed 2021-2022 -Update Digester 4 Rehab after condition assessment was completed in 2021-2022. This project is prioritized in accordance with the Asset Management Plan for the Facility and Lift Stations -Condition Assessment Rated Digestion as highest risk-Note: For digester 4 cost includes cleaning of vessel

Total cost was increased by 25% for inflation and labor costs

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$687,500	\$0	\$0	\$0	\$687,500
S	Sewer Fund	\$0	\$0	\$0	\$687,500	\$0	\$0	\$0	\$687,500
Project Total:									\$1,375,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,375,000	Cost Total: \$1,375,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This project ensures the treatment facility is able to properly treat solids created in the process of treating waste water. If we don't treat to a certain quality of solids the biosolids would be unable to be land applied and disposal costs then more than double. In addition, digester 4 has a floating cover the purpose of which is to store digester gas for use in the boilers. If this digester is inoperable we will not have a way to utilize digester gas for heating and will have to solely use natural gas.

Project Justification:

Maintain class B biosolids so the facility can utilize land application for disposal which is far less expensive than other means of disposal.

Location Description:

606 Hannah Ave

Wastewater

RWWTP-UPGRADE DIGESTED SOLIDS THICKENING EQUIPMENT

Project Information

Project Num: 1078	Dept Head: Art Krueger	Project Description:
Category: Capital	Department: Department of Municipal Utilities	Upgrade digested solids thickening equipment per the Asset Management Plan for the Facility as condition assessment rated solids handling as the 7th highest risk.
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Essential (Should Do)	

Total project cost increased by 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$0	\$0	\$795,000	\$0	\$795,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$795,000	\$0	\$795,000
								Project Total:	\$1,590,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,590,000	Cost Total: \$1,590,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

This upgrade is not well defined at this point, but we do not anticipate maintenance expenses outside that of the prescribed preventive maintenance.

Project Justification:

The upgrade of the digested solids thickening equipment will reduce the volume of solids stored in the biosolids storage tanks, therefore, reducing the necessary biosolids volume to be hauled off-site which will save overall expense.

Location Description:

606 Hannah Avenue

Wastewater

RWWTP-Yard Piping Engineering Evaluation

Project Information

Project Num: 1173	Dept Head: Art Krueger	Project Description:
Category: Visionary	Department: Department of Municipal Utilities	Yard Piping Engineering Evaluation per Task 12 for the Facility's
Fund Group: Waste Water	Submitted By: Elizabeth Hart	Priority Plan-Upgrade per evaluation to be added to CIP per
Fund Detail: Sewer Plant and Buildings	Staff Priority: Essential (Should Do)	AMP prioritization

Total project increased by 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$0	\$0	\$37,500	\$0	\$0	\$0	\$37,500
S	Sewer Fund	\$0	\$0	\$0	\$37,500	\$0	\$0	\$0	\$37,500
Project Total:									\$75,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$75,000	
Construction:	\$0	Cost Total: \$75,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Evaluation of yard piping will identify the condition of the underground pipes at the facility, most of which are several decades old, and provide cost for any related refurbishing/replacement recommendations that result.

Project Justification:

The piping at the facility has not been evaluated for many years and if it fails it will cause a permit violation, and obviously interfere with proper treatment of wastewater that is flowing through the pipes. This proactive approach to evaluating the condition of the piping will hopefully prevent a very expensive emergency response to a pipe failure.

Location Description:

606 Hannah Ave

Wastewater

SCADA Upgrade

Project Information

Project Num: 795	Dept Head: Art Krueger	Project Description:
Category: Maintenance	Department: Department of Municipal Utilities	Upgrade SCADA system that controls the plant.
Fund Group: Waste Water	Submitted By: Elizabeth Hart	
Fund Detail: Sewer Plant and Buildings	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$77,500	\$0	\$0	\$0	\$0	\$0	\$0	\$77,500
S	Sewer Fund	\$77,500	\$0	\$0	\$0	\$0	\$0	\$0	\$77,500
								Project Total:	\$155,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$155,000	Cost Total: \$155,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

There is very little if any on going maintenance cost related to the upgrade of the SCADA system.

Project Justification:

The SCADA system is the key component of monitoring the many treatment processes and automated operations at the facility. If it fails or has issues, it creates vulnerabilities related to compliance, safety, and could result in costly ramifications. The SCADA was last upgraded in 2014.

Location Description:

606 Hannah Ave

Wastewater

TCRWWTP- PLC Upgrade

Project Information

Project Num: 970
Category: Maintenance
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Elizabeth Hart
Staff Priority: Imperative (Must Do)

Project Description:

Upgrade PLC (Programmable Logic Controls) to maintain current plant functionality. Contains 12 PLCs and includes adding additional processors to allow membrane trains to operate on their own processor. The project will include repairing corroded wiring and components within the WAS (Waste Activated Sludge) MCC (Motor Control Center) panel and construction of a long-term solution to corrosion within and around this panel.

Engineering will include the development of the request for proposals (RFP) for the PLC replacement and an evaluation of the WAS MCC panel located in the GBC (Gravity Belt Concentrator) room. The WAS MCC panel houses one of the 12 PLCs slated for replacement and various other equipment controls critical to plant processes. Corrosion outside and inside this panel has caused communications issues between plant PLCs and other equipment. This evaluation will determine two things: 1. The best long-term solution to prevent corrosion from occurring 2. Recommendations a

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
S	Sewer Fund	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
Project Total:									\$450,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$50,000	
Construction:	\$400,000	
Annual Maint. Cost:		Cost Total: \$450,000
Maint. Year Start:		Project Difference: \$0

Service Impact:

Many of the PLCs at the treatment facility were commissioned in 2005, they are or are becoming obsolete, which means they aren't going to be supported in the near future. The PLCs are the nerves of the treatment plant that receive data from different monitoring devices (nerve endings) and communicate it to the SCADA (the brain of the plant) so that automated functions are modified to meet the current plant conditions, and initiate alarms to notify staff there is an abnormal condition present. This project would ensure that the PLCs in the plant are well supported and thus able to be maintained. Construction will include a long-term solution to eliminate corrosion within and around the WAS MCC panel and will also repair existing wiring and control components that are already compromised due to corrosion.

Wastewater

Project Justification:

Maintain treatment capabilities to meet the requirements of the facility's NPDES permit.

Location Description:

606 Hannah

Wastewater

TRWWTP-Plant Electrical Engineering Evaluation

Project Information

Project Num:	1168	Dept Head:	Art Krueger	Project Description:	Plant Electrical Engineering Evaluation per Task 4 of 2018-2019 Facility's Priority Plan-Upgrade per evaluation to be added to CIP in Accordance with AMP prioritization. This project may be incorporated into project 904-22-CIP CWSRF WWTP Headworks and Primary Treatment Upgrade.
Category:	Visionary	Department:	Department of Municipal Utilities		
Fund Group:	Waste Water	Submitted By:	Elizabeth Hart		
Fund Detail:	Sewer Plant and Buildings	Staff Priority:	Essential (Should Do)		

Total project cost increased by 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
P	Private	\$0	\$31,250	\$0	\$0	\$0	\$0	\$0	\$31,250
S	Sewer Fund	\$0	\$31,250	\$0	\$0	\$0	\$0	\$0	\$31,250
Project Total:									\$62,500

COST DETAIL:

Study:	\$62,500		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$0	Cost Total:	\$62,500
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

This project will identify electrical inefficiencies and safety vulnerabilities, and make recommendations for addressing these issues complete with cost projections.

Project Justification:

The older plant (aeration side) is served by 13.8 kV switchgear. The switchgear feeds two transformers that step the 13.8kV down to 480V in the Blower Room. The transformers are connected to the 480V substation that provides power to the plant motor control centers (MCCs). The existing plant switchgear, transformers, and substation were originally installed in the early 1970s. The membrane building is supplied by a separate 13.8 kV feed and 480 V step-down transformer installed in 2004. The membrane process generator transfer switch is not equipped with a removable tie-breaker that can be serviced. Upgrading the transfer switch will increase safety and reduce vulnerabilities present by not being able to properly isolate. The Admin Building generator only has the capacity to run one screw pump, the UV system, and Admin Building lighting. Increasing the capacity of the generator would increase reliability allowing more equipment to operate if line power is lost.

Location Description:

606 Hannah Ave.

Wastewater

US-31 Garfield to M-72 W Sanitary Sewer Project

Project Information

Project Num: 1226	Dept Head: Art Krueger	Project Description: Coordinate with MDOT's US-31 roadway full reconstruction project to abandon the old 10-inch clay north sewer main and reconnect service laterals to the existing 24-inch south sewer main to allow the new 12-inch water main to be constructed between Garfield Ave and E. Front St. Also replace the existing 8-inch clay sewer in US-31 from Hall Street to the west 350 feet.
Category: Visionary	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Art Krueger	
Fund Detail: Sewer Collection System	Staff Priority: Essential (Should Do)	
Total project cost increased by 25% for inflation and labor		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$40,000	\$560,000	\$0	\$0	\$0	\$0	\$0	\$600,000
Project Total:									\$600,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$40,000	
Construction:	\$560,000	Cost Total: \$600,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Eliminate one old clay 10-inch sanitary main and replace one 8-inch sanitary main in the MDOT Right of Way.

Project Justification:

Coordinate with MDOT while their road is under construction to replace aging infrastructure. Also, reference 2021 CWSRF Project Plan. Costs from MDOT Consultant Design Agreement and Engineer's Estimate.

Location Description:

US-31 Garfield to E. Front St. and US-31 from Hall St to the west 350 feet.

Wastewater

UV System and Related Structures Upgrade

Project Information

Project Num: 1033
Category: Capital
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Imperative (Must Do)

Project Description:

WWTP UV System Upgrade - Must be completed by July 1, 2026, per July 3rd, 2019 Administrative Consent Order (ACO) from EGLE approved by the City Commission. This project is also recommended in the WWTP Asset Management Plan (AMP) Prioritization Condition Assessment which rated the UV process as the 4th highest risk. Design is planned over two fiscal years. Construction is also planned over two fiscal years with a strict project completion date per the ACO.

Total project cost was increased by 25% for inflation and labor. This project is also being added to #904 CWSRF WWTP Headworks and Primary Treatment Upgrade and is included in the request for EGLE funds for FY-2024.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$100,000	\$100,000	\$3,600,000	\$0	\$0	\$0	\$3,800,000
Project Total:									\$3,800,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$200,000	
Construction:	\$3,600,000	
Annual Maint. Cost:		
Maint. Year Start:		
	Cost Total:	\$3,800,000
	Project Difference:	\$0

Service Impact:

The existing UV system was installed with the membranes project in the early 2000s. An interim UV upgrade project was completed in 2020 to extend the useful life of the existing UV system for a few more years. This project will upgrade the system to meet peak flow demands and EGLEs current requirement to comply with the 10 State Standards as it relates to wastewater treatment plant design criteria. It also allows the facility to meet the permit requirement of disinfecting 100% of the facility effluent at peak flows.

Project Justification:

This project is necessary for the facility to remain in compliance with its discharge permit issued by EGLE. The project is also recommended in the WWTP Asset Management Plan (AMP) Prioritization Condition Assessment which rated the UV process as the 4th highest risk.

Location Description:

606 Hannah Ave

Wastewater

W Trunkline San Sewer Interceptor Lift Station

Project Information

Project Num: 1228	Dept Head: Art Krueger	Project Description: The West Trunkline Sewer Study identified an alternative to construct a new lift station and forcemain to intercept sewer flows from west of Boardman Lake and south sewer collection subareas and divert flows directly to the WWTP. The proposed lift station location is near Wadsworth and Oak St. with a new forcemain along the Boardman River to the WWTP. If this project was constructed, the Grand Traverse County BPW would contribute funds towards this project per the Master Sewer Agreement.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Art Krueger	
Fund Detail: Sewer Collection System	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$3,000,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
Project Total:									\$4,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$200,000	
Construction:	\$3,800,000	Cost Total: \$4,000,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Relief to sewer capacity issues along the 24-inch W Trunkline Sanitary Sewer along the Boardman River between Hall St and the Front St Lift Station.

Project Justification:

Reduce the chance of Sewer System Overflows (SSO's) into the Boardman River by reducing sewer flows to the West Trunkline 24-inch Sewer. With a continued focus on removing I&I in the sanitary sewer collection system to gain back sewer capacity, this project may or may not be required. Reference 2021 CWSRF Project Plan.

Location Description:

East of Wadsworth at Oak St.

Wastewater

WW - West Side Sanitary Sewer Lining

Project Information

Project Num: 1744	Dept Head: Art Krueger	Project Description: Rehabilitate with lining approx 6,900 feet of 8-inch to 15-inch diameter old clay sanitary sewer mains on the west side of town. This project was requested to be funded by City ARPA funds, but the City Commission did not approve it.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Art Krueger	
Fund Detail: Sewer Collection System	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Project Total:									\$1,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,000,000	Cost Total: \$1,000,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Reduce I&I and extend the service life of old clay mains 50+ years

Project Justification:

SAW Grant and 2020 to present sanitary sewer flow monitoring data

Location Description:

West side of City - various locations

Wastewater

WW Bay St & Birchwood Lift Sta Upgrades

Project Information

Project Num: 1718
Category: Capital
Fund Group: Waste Water
Fund Detail: Sewer Collection System

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Essential (Should Do)

Project Description:

WW Bay St and Birchwood St. Lift Station Upgrades per 2022 TetraTech Engineering Evaluation - Bay St. Lift Station \$1,382,000 - Birchwood Lift Station \$268,000 = Total \$1,650,000. Each location includes the following contingencies per TT evaluation: 10% General conditions/mobilization, 15% Engineering, 30% Overall cost contingency.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$1,650,000	\$0	\$1,650,000
Project Total:									\$1,650,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,650,000	Cost Total: \$1,650,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase capacity, address architectural, structural, monitoring and control communications.

Project Justification:

Recommendations per 2022 TetraTech Engineering Evaluation of Lift Stations

Location Description:

Bay St Lift Station: 580 Bay St
 Birchwood Lift Station: 2060 E Front St

Wastewater

WW Gravity Main Rehab\Repair and PACP Inspections

Project Information

Project Num:	1058	Dept Head:	Art Krueger	Project Description:	
Category:	Maintenance	Department:	Department of Municipal Utilities		Rehabilitate and Repair Wastewater Gravity Mains that were recommended in the 2015 SAW Grant Asset Management Plan. Also, continue to clean and perform PACP inspections for the entire system within a seven year cycle.
Fund Group:	Waste Water	Submitted By:	Art Krueger		
Fund Detail:	Sewer Collection System	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$0	\$2,310,000
								Project Total:	\$2,310,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$2,310,000	Cost Total:	\$2,310,000
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:			

Service Impact:

Repairs to gravity sewer mains will increase reliability and reduce sewer back ups and City's liability to customers property damage claims.

Project Justification:

Repair portions of gravity sewer mains already noted as needing repair in the 2015 SAW Grant and continue to clean, televise and inspect remaining portion (+/-50%) of the City's collection system that was not evaluated during the SAW Grant.

Location Description:

City wide.

Wastewater

WW Manholes Rehab\Repair and MACP Inspections

Project Information

Project Num: 1057	Dept Head: Art Krueger	Project Description: Rehabilitate and Repair Wastewater Manholes that were recommended in the 2015 SAW Grant Asset Management Plan. Also, continue to MACP inspect on all remaining Wastewater Manholes that were not inspected during the 2015 SAW Grant Project.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Waste Water	Submitted By: Art Krueger	
Fund Detail: Sewer Collection System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Repair manhole structure covers before they fail (sink down) which negatively impacts our streets and increases maintenance cost.

Project Justification:

Recommended in the 2015 SAW Grant Project.

Location Description:

City-wide.

Wastewater

WWTP MBR Chemical Feed System Upgrade

Project Information

Project Num: 1719
Category: Maintenance
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Imperative (Must Do)

Project Description:

MBR Chemical Feed System Upgrade - This chemical feed system is utilized for membrane chemical cleanings, either for organic or inorganic fouling. There are two separate feed systems one feeding bleach (organic fouling) and the other citric acid (inorganic fouling). Includes replacement of existing piping, valves, pumps, and other related components. Reconfiguration of piping system to allow more space for O&M.
 Need: Due to increased maintenance to address leaks, failing parts and lack of reliability. Recommended but optional: Lower existing ceiling with a false ceiling to decrease heating cost. Estimate includes this option plus 10%

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
S	Sewer Fund	\$0	\$165,000	\$0	\$0	\$0	\$0	\$0	\$165,000
Project Total:									\$165,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$165,000	Cost Total: \$165,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Project will address leaks, failing parts.

Project Justification:

Need to restore chemical feed system reliability.

Location Description:

WWTP 606 Hannah Ave

Wastewater

WWTP Solar Project

Project Information

Project Num: 1722
Category: Capital
Fund Group: Waste Water
Fund Detail: Sewer Plant and Buildings

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Important (Could Do)

Project Description:

Jacobs completed a solar study at the WWTP assessing solar arrays on rooftops. The study concluded that approximately 510 MWh/year could be generated which is about 10% of the plant's electrical usage of 5,048 MWh/year. The project's Return on Investment is estimated at 18 years. The study was utilized to apply for a \$2M grant from the Michigan Public Services Commission on 1/6/23. The potential project includes battery storage in addition to the solar array.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
Project Total:									\$2,000,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,000,000	Cost Total: \$2,000,000
Annual Maint. Cost:	\$15,000	Project Difference: \$0
Maint. Year Start:	2025	

Service Impact:

The City's electrical expense from the WWTP could be offset by 10% per year from this project.

Project Justification:

Jacobs 2022 WWTP Solar Study

Location Description:

WWTP 606 Hannah Ave

Six Year Capital Improvement Plan

All Projects Submitted for 2023-2024

Budget Year 2023-2024 by Program Name

Bold - Indicates projects occurring in the first FY of the plan .

+ - Indicates projects with multiple funding

Project ID	Cat	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Overall Programming Cost			
									Project Cost	City Funds	Non-City Funds	
1723	Bloomfield Rd Water Booster Station Demolition	M	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0
1757	Cass St & 9th Watermain/Storm Sewer Repair	M	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0
935	East - West Transmission Main Upgrade	C	\$0	\$0	\$0	\$0	\$1,610,000	\$3,900,000	\$4,120,000	\$9,630,000	\$9,630,000	\$0
1053	East Front Street 16" Watermain	C	\$0	\$0	\$0	\$0	\$0	\$1,348,000	\$0	\$1,348,000	\$1,348,000	\$0
930	Electrical Gear Upgrades at WTP & Low Service	C	\$0	\$0	\$0	\$2,388,000	\$0	\$0	\$0	\$2,388,000	\$2,388,000	\$0
932	Hannah Ave Water Main Upgrade	V	\$0	\$0	\$0	\$0	\$0	\$770,000	\$0	\$770,000	\$770,000	\$0
770	High & Low Service Pump Repairs	C	\$0	\$0	\$0	\$775,000	\$0	\$0	\$0	\$775,000	\$775,000	\$0
1028	Lagoon Maintenance	M	\$0	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$150,000	\$150,000	\$0
1186	Low Service Pump Station - Standby Generator	C	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$250,000	\$250,000	\$0
1251	New Raw Water Main from Low Service to WTP	C	\$0	\$0	\$0	\$0	\$0	\$924,000	\$0	\$924,000	\$924,000	\$0
+ 1027	Park Place Area Infrastructure Improvements	C	\$0	\$0	\$1,225,000	\$0	\$0	\$0	\$0	\$1,225,000	\$1,225,000	\$0
121	Plant - Freight Elevator Compliance	V	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000	\$300,000	\$0
1181	Replace 16" Water Main Valves along Wash & Front St	M	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0
1225	US-31 Garfield to M-72 W Water Main Replacement	C	\$200,000	\$2,400,000	\$0	\$0	\$0	\$0	\$0	\$2,600,000	\$2,600,000	\$0
1016	Veterans Drive Water Main Replacement Project.	C	\$0	\$0	\$798,000	\$0	\$0	\$0	\$0	\$798,000	\$798,000	\$0
1183	WTP Backwash & Surface Wash Pumps	M	\$0	\$0	\$0	\$228,000	\$0	\$0	\$0	\$228,000	\$228,000	\$0
933	WTP Chlorine Storage & Building Improvements	V	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000	\$450,000	\$0
1182	WTP High Service - Cone Valve Replacement	M	\$0	\$0	\$0	\$538,000	\$0	\$0	\$0	\$538,000	\$538,000	\$0
1760	WTP Solar Micro-Grid	C	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000
1017	WTP Standby Generator Replacement Project	M	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$600,000	\$600,000	\$0
1184	WTP Windows Replacement Project	M	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$150,000	\$0
Total Water				\$2,700,000	\$2,098,000	\$7,429,000	\$1,860,000	\$6,942,000	\$4,195,000	\$25,424,000	\$23,424,000	\$2,000,000

Water

Bloomfield Rd Water Booster Station Demolition

Project Information

Project Num: 1723	Dept Head: Art Krueger	Project Description: Demo an abandoned small building and remove buried pressure tank with associated piping. Restore access walkway to neighborhood park to the east.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Distribution System	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000

Project Total: \$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Clean up an abandoned building and allow enhancement of access to City park to the East.

Project Justification:

Remove abandoned building and appurtenances

Location Description:

Bloomfield Rd near Eastern Ave

Water

Cass St & 9th Watermain/Storm Sewer Repair

Project Information

Project Num: 1757	Dept Head: Art Krueger	Project Description: Currently the existing 24 inch Storm sewer dives below the 6 inch watermain which causes flooding issues. This project requires lowering the existing watermain and replacing the storm sewer allowing it to flow straight through preventing backups, sink holes & flooding.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Distribution System	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Reduced flooding downstream along with preventing additional sink holes and maintenance costs.

Project Justification:

Reoccurring flooding and extensive maintenance repairs and costs.

Location Description:

Intersection of Cass St & 9th

Water

East - West Transmission Main Upgrade

Project Information

Project Num: 935
Category: Capital
Fund Group: Water
Fund Detail: Water System Reliability Projects

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Essential (Should Do)

Project Description:

Projects recommended in the 2014 and 2021 Water System Reliability Study-Table 8-1 with Updated Costs. Replace aged smaller diameter mains with new 12,135 lineal feet (LF) of 24-inch main and 3,125 LF of new 16-inch main.

FY26-27: Phase 3B: 24" main - Lake Ave from Cass to Union
 FY26-27: Phase 4: 24" main; 7th from Union to Wadsworth
 FY27-28: Phase 5A: 24" main - Garfield from Washington to Webster & Webster to Rose St.
 FY27-28: Phase 5B: 24" main - Railroad Ave from 8th to Webster & Webster from Railroad Ave to Rose St.
 FY28-29: Phase 6: 24" main - 7th from Wadsworth to Spruce
 FY28-29: Phase 7: 16" main - Spruce from 7th to Wayne St.

Increased cost estimates by 25% for inflation and labor.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$1,610,000	\$3,900,000	\$4,120,000	\$9,630,000
								Project Total:	\$9,630,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$9,630,000	Cost Total: \$9,630,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase transmission capacity to west side of City and provide redundancy to the aging 16" water main along Front St. and Wayne St. to the Wayne Hill reservoir.

Project Justification:

Projects recommended in the 2014 & 2021 Water System Reliability Study based upon water system model. Reference 2021 DWSRF Project Plan for updated cost and timeframe.

Location Description:

Various locations as noted in project description.

Water

East Front Street 16" Watermain

Project Information

Project Num: 1053	Dept Head: Art Krueger	Project Description:
Category: Capital	Department: Department of Municipal Utilities	Replace approx. 1230 lineal feet of existing 16" pit cast main from the early 1900's in E. Front Street between Franklin and Park Street. Planned to incorporate this project into the DDA E Front St Reconstruction project.
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Distribution System	Staff Priority: Essential (Should Do)	

Increased cost estimate 25% for inflation and labor.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$0	\$1,348,000	\$0	\$1,348,000
Project Total:									\$1,348,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,348,000	Cost Total: \$1,348,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase reliability of a significant portion of aging 16" water main and will decrease overall maintenance costs by reducing emergency repairs on E Front St.

Project Justification:

2014 & 2021 Water System Reliability Study references concerns for this segment of water main due to it's age. Ref 2021 DWSRF Project Plan for cost and timeline.

Location Description:

E. Front Street between Franklin and Park Street.

Water

Electrical Gear Upgrades at WTP & Low Service

Project Information

Project Num: 930	Dept Head: Art Krueger	Project Description: Project recommended in the 2014 & 2021 Water System Reliability Study - Project W-1 Table 8-1. Update original (1965 and 1972) electrical equipment for both WTP High Service, WTP basement, and Low Service pumps. Project will also increase electric efficiency and reliability.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water System Reliability Projects	Staff Priority: Imperative (Must Do)	

Increased cost 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$2,388,000	\$0	\$0	\$0	\$2,388,000
Project Total:									\$2,388,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$2,388,000	Cost Total: \$2,388,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase reliability of electrical systems at WTP and Low Service; Reduce long-term electric outages/repair costs and increase efficiency.

Project Justification:

Recommended in 2014 & 2021 Water System Reliability Study. Ref DWSRF Project Plan 2021 for costs and timeline.

Location Description:

WTP: 2010 Eastern Ave & Low Service Pump Station: 2232 Eastern Ave

Water

Hannah Ave Water Main Upgrade

Project Information

Project Num:	932	Dept Head:	Art Krueger	Project Description:	
Category:	Visionary	Department:	Department of Municipal Utilities	2021 Water System Reliability Study:	
Fund Group:	Water	Submitted By:	Art Krueger	Replace 1,900 lineal feet of aging 6-inch main on Hannah Ave.	
Fund Detail:	Water Distribution System	Staff Priority:	Essential (Should Do)	with 12-inch main from Bates Street to S. Garfield Ave.	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$0	\$770,000	\$0	\$770,000
Project Total:									\$770,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$770,000	Cost Total: \$770,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase system reliability and flows to immediate service area.

Project Justification:

Project recommended in the 2014 and 2021 Water System Reliability Study - Ref Project D-10 in Table 8-1.

Location Description:

Hannah Ave. from Bates Street to S. Garfield Ave.

Water

High & Low Service Pump Repairs

Project Information

Project Num: 770	Dept Head: Art Krueger	Project Description: 4 High Service and 3 Low Service pumps and motors need to be pulled and rebuilt or replaced by a pump service company. Variable frequency drive (VFD) need to be installed on the pumps. VFD's allow significant energy savings and assist in overall WTP operations.
Category: Capital	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water System Reliability Projects	Staff Priority: Imperative (Must Do)	

Increased cost 25% due to inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$775,000	\$0	\$0	\$0	\$775,000
Project Total:									\$775,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$775,000	Cost Total: \$775,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase pump reliability, reduce energy consumption and reduce overall maintenance / emergency costs.

Project Justification:

Pumps are critical to WTP operations and need to be service regularly. Ref 2021 DWSRF Project Plan for costs and timeline.

Location Description:

WTP - 2010 Eastern Ave and the Low Service Pump Station 2232 Eastern Ave

Water

Lagoon Maintenance

Project Information

Project Num: 1028	Dept Head: Art Krueger	Project Description:
Category: Maintenance	Department: Department of Municipal Utilities	There are 2 washwater lagoons behind the water treatment plant facility and the sludge from the filter backwashing process must be removed and hauled to the landfill.
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Imperative (Must Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$150,000
Project Total:									\$150,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$150,000	Cost Total: \$150,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Backwashing filters is critical to water treatment. Solids must be settled out of filter backwash water before releasing the clean water back to East Bay as allowed in the NPDES permit.

Project Justification:

Required by suspended solids limits set in NPDES permit.

Location Description:

WTP - 2010 Eastern Ave.

Water

Low Service Pump Station - Standby Generator

Project Information

Project Num: 1186
Category: Capital
Fund Group: Water
Fund Detail: Water Treatment

Dept Head: Art Krueger
Department: Department of Municipal Utilities
Submitted By: Art Krueger
Staff Priority: Essential (Should Do)

Project Description:

Currently, the standby generator at the Water Treatment Plant (WTP) is used to provide back up power to both the Low Service Pump Station and the WTP. This divides the available back up power between the two locations and limits the overall capacity that the plant can produce when running on generator power. Therefore, if a separate generator was installed at the Low Service Pump Station to serve that facility, the main plant generator could be dedicated to serve the WTP, thereby increasing capacity during a potential extended power outage.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Project Total:									\$250,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$250,000	Cost Total: \$250,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Project would boost resiliency and reliability of the WTP increasing capacity when operating under back up power, which occurs at times.

Project Justification:

Need to increase WTP's available capacity when running under standby generator power, especially if during high demand summer months.

Location Description:

Low Service Pump Station

Water

New Raw Water Main from Low Service to WTP

Project Information

Project Num:	1251	Dept Head:	Art Krueger	Project Description:	Install new 30 or 36-inch raw water main from low service pump station to the Water Treatment Plant (WTP). Currently, there is only one 30-inch main originally constructed in 1965. A second main will provide redundancy to critical infrastructure in case one main fails. The additional main could also be utilized to increase the plants' raw water capacity at a future date when needed.
Category:	Capital	Department:	Department of Municipal Utilities		
Fund Group:	Water	Submitted By:	Art Krueger		
Fund Detail:	Water Treatment	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$0	\$924,000	\$0	\$924,000
								Project Total:	\$924,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$924,000	Cost Total: \$924,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Provide redundancy and increase reliability to critical infrastructure to ensure raw water supply to the WTP. The project cost in the 2021 Water System Reliability Study was increased by 20% due to volatile material pricing experienced since this report was completed.

Project Justification:

2021 Water System Reliability Study recommends this project W-6 in Table 8-1 between 2025 and 2030.

Location Description:

Between the Low Service pump station at the end of Eastern Ave and the WTP.

Water

Park Place Area Infrastructure Improvements

Project Information

Project Num:	1027	Dept Head:	Tim Lodge
Category:	Capital	Department:	Engineering
Fund Group:	Water	Submitted By:	Missy Luick
Fund Detail:	Water System Reliability Projects	Staff Priority:	Essential (Should Do)

Project Description:

The Park Place Brownfield Plan identifies water main and storm sewer water quality improvements. Watermain- An upgraded 12" watermain will be installed from Boardman to Cass and will go down a portion of State Street and Washington Streets. Storm Sewer Water Quality- This improvement will include a combination of infiltration and filtration to improve water quality for a significant portion of the downtown area. Both projects will be reimbursed using Brownfield funds.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
BR	Brownfield	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
S	Sewer Fund	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
WAT	Water Fund	\$0	\$0	\$975,000	\$0	\$0	\$0	\$0	\$975,000
Project Total:									\$1,225,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$1,225,000	Cost Total: \$1,225,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

The improvement will upgrade the city's water distribution system to current standards for fire protection and will implement best practices for storm water management. There could be an increase in maintenance costs

Project Justification:

Park Place Brownfield Plan, Water Reliability Study, Improve Water Quality.

Location Description:

Park Place vicinity

Water

Plant - Freight Elevator Compliance

Project Information

Project Num: 121	Dept Head: Art Krueger	Project Description:
Category: Visionary	Department: Department of Municipal Utilities	Replacement of elevator's original steel single wall casing hydraulic cylinder (1965) with double wall casing cylinder.
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000
Project Total:									\$300,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$300,000	Cost Total: \$300,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Project would protect ground water from contamination if the single wall cylinder were to fail and leak hydraulic fluid which would be an environmental liability for the City.

Project Justification:

Elevator inspections have not revealed any issues but due to the age of the elevator, the single wall hydraulic cylinder should be replaced to provide secondary containment. Ref 2021 DWSRF Project Plan for cost and timeline.

Location Description:

WTP - 2010 Eastern Ave.

Water

Replace 16" Water Main Valves along Wash& Front St

Project Information

Project Num:	1181	Dept Head:	Art Krueger	Project Description:	
Category:	Maintenance	Department:	Department of Municipal Utilities	The older segment of 16" Water Main on Washington, Franklin and Front St. has several inoperable valves that need replacing to restore reliability in order to isolate smaller service areas in a water main break emergency. This work may also require installing line stops to allow existing valves to be excavated, removed and replaced.	
Fund Group:	Water	Submitted By:	Art Krueger		
Fund Detail:	Water Distribution System	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
Project Total:									\$100,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$100,000	Cost Total: \$100,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Project will help to minimize property damage and limit area of disrupted water service in the event of a water main break emergency.

Project Justification:

Need to improve water system reliability through main downtown commercial corridor (Front St & Washington St).

Location Description:

Washington St from Hope St west to Franklin; Franklin north to E. Front St; E. Front St west to Union St.

Water

US-31 Garfield to M-72 W Water Main Replacement

Project Information

Project Num: 1225	Dept Head: Art Krueger	Project Description:
Category: Capital	Department: Department of Municipal Utilities	Coordinate with MDOT's US-31 roadway project to replace old 6-inch and 16-inch mains with new 12-inch and 16-inch mains between Garfield Ave and Hall Street.
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Distribution System	Staff Priority: Essential (Should Do)	

Total project cost increased by 25% for inflation and labor. DWSRF funds are being applied for in State's FY-2024.

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$200,000	\$2,400,000	\$0	\$0	\$0	\$0	\$0	\$2,600,000
Project Total:									\$2,600,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$200,000	
Construction:	\$2,400,000	Cost Total: \$2,600,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Need to replace old undersized 6-inch main to a larger capacity 12-inch main; Need to replace aging 16-inch transmission main. All mains are within MDOT Right of Way.

Project Justification:

Coordinate with MDOT while their road is under full reconstruction to replace aging infrastructure. 2021 Water System Reliability Study Project D-7 Table 8-1 for costs. Ref 2021 DWSRF Project Plan.

Location Description:

US-31 between Garfield Ave and Hall St

Water

Veterans Drive Water Main Replacement Project.

Project Information

Project Num:	1016	Dept Head:	Art Krueger	Project Description:	
Category:	Capital	Department:	Department of Municipal Utilities	Replace approx 1,050 lineal feet 6" and 8" diameter water	
Fund Group:	Water	Submitted By:	Justin Roy	main with 12" between 14th Street and Georgetown Place.	
Fund Detail:	Water Distribution System	Staff Priority:	Essential (Should Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$798,000	\$0	\$0	\$0	\$0	\$798,000
Project Total:									\$798,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$798,000	Cost Total: \$798,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Decrease overall maintenance costs and improve water supply / fire flows in this area.

Project Justification:

Project recommended in 2014 and 2021 Water System Reliability Study Table 8-1 for cost.

Location Description:

Veterans Drive between 14th St. and Georgetown Place.

Water

WTP Backwash & Surface Wash Pumps

Project Information

Project Num: 1183	Dept Head: Art Krueger	Project Description:
Category: Maintenance	Department: Department of Municipal Utilities	The Water Treatment Plant has original filter backwash and surface wash pumps from 1965. These pumps need to be rebuilt or replaced in the near future.
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Essential (Should Do)	

Cost increased 25% for inflation and labor

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$228,000	\$0	\$0	\$0	\$228,000
Project Total:									\$228,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$228,000	Cost Total: \$228,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

The proper function of these pumps is essential to filter washing operations. If the backwash pump were to fail, an alternative operation does exist via the high service pumps, but if the surface wash pump were to fail, there is no back up alternative.

Project Justification:

Need to improve reliability of filter washing operation at the WTP. Reference 2021 DWSRF Project Plan for updated cost and timeframe.

Location Description:

WTP basement.

Water

WTP Chlorine Storage & Building Improvements

Project Information

Project Num: 933	Dept Head: Art Krueger	Project Description: The two (2) 8,000 gal. chlorine bulk storage tanks (installed 1994) need to be replaced since they are reaching the end of their useful life. Building modifications include installing wall opening(s) for installing 2 new bulk tanks in lieu of removing and replacing the roof.
Category: Visionary	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000
Project Total:									\$450,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$450,000	Cost Total: \$450,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Restore reliability of Chlorine bulk storage. One tank currently is leaking, leaving only one aging tank available for storage. Chlorine is critical for disinfection in the water treatment process.

Project Justification:

Project recommended in the 2014 & 2021 Water System Reliability Study. Reference DWSRF Project Plan 2021 for project costs and timeline.

Location Description:

WTP - 2010 Eastern Ave.

Water

WTP High Service - Cone Valve Replacement

Project Information

Project Num: 1182	Dept Head: Art Krueger	Project Description: The Water Treatment Plant has 4 old cone valves (original from 1965) that operate with High Service Pump #'s 1, 2, 3 & 4 which need to be replaced with new electric plug valves. Currently High Service Pump #5 has a newer electric plug valve which was installed in 2012.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$538,000	\$0	\$0	\$0	\$538,000
Project Total:									\$538,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$538,000	Cost Total: \$538,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Proper cone / plug valve operation is essential to water supply pumping operations.

Project Justification:

Need to improve reliability of 4 High Service pump valves. Reference 2021 DWSRF Project Plan for updated cost and timeframe.

Location Description:

Water Treatment Plant - High Service Pump Room (Basement)

Water

WTP Solar Micro-Grid

Project Information

Project Num:	1760	Dept Head:	Art Krueger	Project Description:	
Category:	Capital	Department:	Department of Municipal Utilities	Construct a solar array and micro-grid system to include panels on WTP building roof tops and adjacent vacant land.	
Fund Group:	Water	Submitted By:	Art Krueger	Battery storage would increase reliability and reduce generator run time during an extended power outage.	
Fund Detail:	Water Treatment	Staff Priority:	Important (Could Do)		

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
Project Total:									\$2,000,000

COST DETAIL:

Study:	\$0		
Land Acquisition / ROW:	\$0		
Engineering / Design:	\$0		
Construction:	\$2,000,000	Cost Total:	\$2,000,000
Annual Maint. Cost:		Project Difference:	\$0
Maint. Year Start:	2026		

Service Impact:

Reduce overall carbon footprint of the WTP by reducing emergency generator run time during a power outage and increase resiliency at the WTP.

Project Justification:

Solar Study by Jacobs for City facilities.

Location Description:

2010 Eastern Ave.

Water

WTP Standby Generator Replacement Project

Project Information

Project Num: 1017	Dept Head: Art Krueger	Project Description: Existing generator is over 20 years old and is nearing the end of its useful life. This project will replace it with a new, more efficient model. Increased cost for inflation and labor.
Category: Maintenance	Department: Department of Municipal Utilities	
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water System Reliability Projects	Staff Priority: Essential (Should Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$600,000
Project Total:									\$600,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$600,000	Cost Total: \$600,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Increase reliability and efficiency by replacing the plant generator when it is at the end of it's useful life.

Project Justification:

Recommended in the 2021 Water System Reliability Study. Reference 2021 DWSRF Project Plan for updated cost and timeframe.

Location Description:

WTP - 2010 Eastern Ave.

Water

WTP Windows Replacement Project

Project Information

Project Num: 1184	Dept Head: Art Krueger	Project Description:
Category: Maintenance	Department: Department of Municipal Utilities	Water Treatment Plant has 35 original windows from 1965 that need to be replaced to conserve energy (heat loss in winter).
Fund Group: Water	Submitted By: Art Krueger	
Fund Detail: Water Treatment	Staff Priority: Important (Could Do)	

Funding Sources:

		Previous	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	Total
WAT	Water Fund	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Project Total:									\$150,000

COST DETAIL:

Study:	\$0	
Land Acquisition / ROW:	\$0	
Engineering / Design:	\$0	
Construction:	\$150,000	Cost Total: \$150,000
Annual Maint. Cost:		Project Difference: \$0
Maint. Year Start:		

Service Impact:

Improve overall operational efficiency at the WTP.

Project Justification:

This project would conserve energy at the WTP and would help the City toward reaching it's Green Energy goal.

Location Description:

Water Treatment Plant



Six Year Capital Improvement Program

	Previous	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026	Fiscal Year 2026-2027	Fiscal Year 2027-2028	Fiscal Year 2028-2029	Project Cost	City Funds	Non-City Funds
GRAND TOTAL:	\$13,140,906	\$39,761,374	\$39,724,018	\$33,641,632	\$54,151,285	\$58,985,200	\$12,611,000	\$248,919,615	\$188,334,524	\$63,680,891

Table of Contents

Brown Bridge	1
Civic	6
Facilities	16
Garage	25
General Government	28
Light & Power	31
Parking	62
Parks	74
Streets	88
Walkways	106
Wastewater	118
Water	149