



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000
TIF97	TIF 97	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
<b>Project Total:</b>									<b>\$6,000,000</b>

##### 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:

SE corner of State and Union Streets



## Six Year Capital Improvement Program

### Civic

#### Farmers Market

##### Project Information

<b>Project Num:</b> 781	<b>Dept Head:</b> Jean Derenzy	<b>Project Description:</b> 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.
<b>Category:</b> Visionary	<b>Department:</b> Downtown Development	
<b>Fund Group:</b> Tax Increment Financing	<b>Submitted By:</b> Rob Baciagalupi	
<b>Fund Detail:</b> TIF 97	<b>Staff Priority:</b> Essential (Should Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$3,325,000	\$0	\$0	\$3,325,000
								<b>Project Total:</b>	<b>\$3,325,000</b>

##### COST DETAIL:

<b>Study:</b>	\$25,000		
<b>Land Acquisition / ROW:</b>	\$0		
<b>Engineering / Design:</b>	\$300,000		
<b>Construction:</b>	\$3,000,000	<b>Cost Total:</b>	<b>\$3,325,000</b>
<b>Annual Maint. Cost:</b>	\$10,000	<b>Project Difference:</b>	<b>\$0</b>
<b>Maint. Year Start:</b>	2026		

##### 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



## Six Year Capital Improvement Program

### Civic

#### Lake Avenue Streetscaping & Plaza

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	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
<b>Project Total:</b>									<b>\$1,620,759</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$5,000,000	\$5,000,000	\$0	\$0	\$14,000,000	\$0	\$0	\$24,000,000
								<b>Project Total:</b>	<b>\$24,000,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Civic

#### Open Space Master Site Plan

##### Project Information

**Project Num:** 1246  
**Category:** Visionary  
**Fund Group:** General  
**Fund Detail:** General Government

**Dept Head:** Shawn Winter  
**Department:** Planning and Zoning  
**Submitted By:** Shawn Winter  
**Staff Priority:** Essential (Should Do)

**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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
GEN	General Fund	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$75,000
<b>Project Total:</b>									<b>\$75,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Civic

#### West End Pedestrian Way

##### Project Information

**Project Num:** 1247  
**Category:** Visionary  
**Fund Group:** General  
**Fund Detail:** General Government

**Dept Head:** Shawn Winter  
**Department:** Planning and Zoning  
**Submitted By:** Shawn Winter  
**Staff Priority:** Essential (Should Do)

##### 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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
GEN	General Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
<b>Project Total:</b>									<b>\$75,000</b>

##### COST DETAIL:

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

**Cost Total:** \$75,000  
**Project Difference:** \$0

##### 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.



## Six Year Capital Improvement Program

### Civic

#### Workforce Housing

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000
<b>Project Total:</b>									<b>\$200,000</b>

##### COST DETAIL:

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

##### 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 Program

### General Government

#### FEMA Mapping Reconfiguration

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
GEN	General Fund	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$75,000
<b>Project Total:</b>									<b>\$75,000</b>

##### COST DETAIL:

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

##### 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 Program

### Parking

#### EV Charging Stations - Replacement

##### Project Information

**Project Num:** 1234  
**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:

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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
APS	Parking System	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$100,000
<b>Project Total:</b>									<b>\$100,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### Parking

#### Hardy Pedestrian Stair Tower Interior

##### Project Information

**Project Num:** 1209  
**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:

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:

Funding Sources:		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
APS	Parking System	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$0	\$400,000
<b>Project Total:</b>									<b>\$400,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$300,000
<b>Project Total:</b>									<b>\$300,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Parking

#### Lot J - Parking Meters or Pay Stations

##### Project Information

**Project Num:** 1198  
**Category:** Capital  
**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 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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
APS	Parking System	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
<b>Project Total:</b>									<b>\$50,000</b>

##### COST DETAIL:

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

**Cost Total:** \$50,000  
**Project Difference:** \$0

##### 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



## Six Year Capital Improvement Program

### Parking

#### Old Town Pedestrian Stair Towers Interior

##### Project Information

**Project Num:** 1210  
**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:

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 not been performed since the opening of the garage in 2010.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
APS	Parking System	\$0	\$200,000	\$100,000	\$0	\$0	\$0	\$0	\$300,000
<b>Project Total:</b>									<b>\$300,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### Parking

#### Old Town PTAC Units

##### Project Information

**Project Num:** 1083  
**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:**  
 Replace all PTAC units at the Old Town Parking Garage (elevators, pedestrian towers, office). Replacement will be from the Old Town Fund 585-587.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
APS	Parking System	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
<b>Project Total:</b>									<b>\$50,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$0	\$0	\$0	\$34,000,000	\$0	\$0	\$0	\$34,000,000
<b>Project Total:</b>									<b>\$34,000,000</b>

##### COST DETAIL:

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

### Parks

#### American Legion Park Improvements

##### Project Information

**Project Num:** 928

**Category:** Capital

**Fund Group:** General

**Fund Detail:** Parks & Rec

**Dept Head:** Frank Dituri

**Department:** Department of Public Services

**Submitted By:** Michelle Hunt

**Staff Priority:** Important (Could Do)

##### Project Description:

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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
LFG	Local / Foundation Grant	\$0	\$0	\$0	\$65,000	\$0	\$0	\$0	\$65,000
P	Private	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000

**Project Total:** \$150,000

##### COST DETAIL:

**Study:** \$0

**Land Acquisition / ROW:** \$0

**Engineering / Design:** \$10,000

**Construction:** \$140,000

**Annual Maint. Cost:** \$1,000

**Maint. Year Start:** 2027

**Cost Total:** \$150,000

**Project Difference:** \$0

##### 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





## Six Year Capital Improvement Program

### Parks

#### Barrier-free Public Restrooms - Hickory Old Lodge

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	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
<b>Project Total:</b>									<b>\$100,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Parks

#### Bryant Park Improvements

##### Project Information

**Project Num:** 26  
**Category:** Capital  
**Fund Group:** General  
**Fund Detail:** Parks & Rec

**Dept Head:** Frank Dituri  
**Department:** Department of Public Services  
**Submitted By:** Michelle Hunt  
**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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
BBTP	Brown Bridge Trust Parks	\$0	\$0	\$0	\$0	\$95,000	\$0	\$0	\$95,000
FSG	Federal / State Grant	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
LFG	Local / Foundation Grant	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000

**Project Total: \$210,000**

##### COST DETAIL:

**Study:** \$0  
**Land Acquisition / ROW:** \$0  
**Engineering / Design:** \$15,000  
**Construction:** \$195,000  
**Annual Maint. Cost:** \$2,000  
**Maint. Year Start:** 2028

**Cost Total: \$210,000**  
**Project Difference: \$0**

##### 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



## Six Year Capital Improvement Program

### Parks

#### Multiple Parks Bathroom Updates

##### Project Information

**Project Num:** 1714

**Category:** Capital

**Fund Group:** General

**Fund Detail:** Parks & Rec

**Dept Head:** Frank Dituri

**Department:** Department of Public Services

**Submitted By:** Michelle Hunt

**Staff Priority:** Essential (Should Do)

##### 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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
BBTP	Brown Bridge Trust Parks	\$0	\$85,000	\$0	\$0	\$0	\$0	\$0	\$85,000
<b>Project Total:</b>									<b>\$85,000</b>

##### COST DETAIL:

**Study:** \$0

**Land Acquisition / ROW:** \$0

**Engineering / Design:** \$0

**Construction:** \$85,000

**Annual Maint. Cost:**

**Maint. Year Start:**

**Cost Total:** \$85,000

**Project Difference:** \$0

##### 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.



## Six Year Capital Improvement Program

### Parks

#### Parks and Rec Operation and Master Plan

##### Project Information

**Project Num:** 1910

**Category:** Visionary

**Fund Group:** General

**Fund Detail:** Parks & Rec

**Dept Head:** Frank Dituri

**Department:** Department of Public Services

**Submitted By:** Michelle Hunt

**Staff Priority:** Imperative (Must Do)

##### Project Description:

A master plan process, focusing on the operations, programming, staffing, funding, maintenance, capital improvements, branding, and interconnectedness of Parks and Recreation assets at a network level.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
BBTP	Brown Bridge Trust Parks	\$0	\$105,000	\$0	\$0	\$0	\$0	\$0	\$105,000
GEN	General Fund	\$0	\$65,000	\$0	\$0	\$0	\$0	\$0	\$65,000
<b>Project Total:</b>									<b>\$170,000</b>

##### COST DETAIL:

**Study:** \$175,000

**Land Acquisition / ROW:** \$0

**Engineering / Design:** \$0

**Construction:** \$0

**Annual Maint. Cost:**

**Maint. Year Start:**

**Cost Total:** \$175,000

**Project Difference:** -\$5,000

##### Service Impact:

n/a

##### Project Justification:

To create a master plan for Parks, which will help guide scope, timing, and funding sources for programming, multi-departmental projects, and future park improvements/maintenance.

##### Location Description:

All city parks



## Six Year Capital Improvement Program

### Streets

#### Annual Street Program

##### Project Information

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

##### Project Description:

Available funds for street reconstruction and resurfacing projects. County Road Commission Millage funds can only be used for street reconstruction or resurfacing, non-motorized facilities or utility construction are not eligible. The Department of Public Services selects the streets. Utility replacements subject to DMU evaluation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
ACPF	Available Capital Projects Fund	\$0	\$0	\$2,501,959	\$0	\$0	\$0	\$0	\$2,501,959
GEN	General Fund	\$0	\$0	\$822,089	\$0	\$0	\$0	\$0	\$822,089
RCMF	Road Commission Millage Fund	\$0	\$0	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
S	Sewer Fund	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000
WAT	Water Fund	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000
<b>Project Total:</b>									<b>\$5,324,048</b>

##### COST DETAIL:

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

**Cost Total:** \$0  
**Project Difference:** \$5,324,048

##### Service Impact:

TBD

##### Project Justification:

TBD

##### Location Description:

City-wide



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF97	TIF 97	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
<b>Project Total:</b>									<b>\$1,000,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### Streets

#### Fourteenth Street Reconstruction

##### Project Information

**Project Num:** 1255  
**Category:** Capital  
**Fund Group:** Other  
**Fund Detail:** Available Capital Projects Fund

**Dept Head:** Tim Lodge  
**Department:** Engineering  
**Submitted By:** Tim Lodge  
**Staff Priority:** Important (Could Do)

##### Project Description:

Complete street reconstruction with storm water low impact design considerations and replacement of sanitary sewer and water main pending DMU evaluation. Estimated construction cost is replacement cost and does not include enhanced non-motorized facilities, traffic signal upgrades, pedestrian scale lighting and landscaping.

This project expected be partially funded by MPO allocation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
GEN	General Fund	\$0	\$0	\$0	\$0	\$868,000	\$0	\$0	\$868,000
RCMF	Road Commission Millage Fund	\$0	\$0	\$0	\$0	\$1,100,000	\$0	\$0	\$1,100,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000
WAT	Water Fund	\$0	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000

**Project Total: \$4,368,000**

##### COST DETAIL:

**Study:** \$0  
**Land Acquisition / ROW:** \$0  
**Engineering / Design:** \$500,000  
**Construction:** \$8,000,000  
**Annual Maint. Cost:**  
**Maint. Year Start:** 2027

**Cost Total: \$8,500,000**  
**Project Difference: \$-4,132,000**

##### 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 MPO funding for 2027/28 estimated to be \$1,500,000.00

##### Location Description:

Fourteenth Street from Division to Lake Ridge Drive.



## Six Year Capital Improvement Program

### Streets

#### Snowmelt (Old Town)

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$200,000	\$401,766	\$0	\$401,766	\$1,003,532
TIF2	TIF Old Town	\$0	\$0	\$0	\$200,000	\$401,766	\$0	\$401,766	\$1,003,532
<b>Project Total:</b>									<b>\$2,007,064</b>

##### COST DETAIL:

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





## Six Year Capital Improvement Program

### Streets

#### State of the Art Brine Mixing Facility & Sensors

##### Project Information

<b>Project Num:</b> 1751	<b>Dept Head:</b> Frank Dituri	<b>Project Description:</b>
<b>Category:</b> Capital	<b>Department:</b> Department of Public Services	New brine mixing facility to include new building and equipment.
<b>Fund Group:</b> Garage	<b>Submitted By:</b> Frank Dituri	
<b>Fund Detail:</b> Facilities	<b>Staff Priority:</b> Important (Could Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
ACPF	Available Capital Projects Fund	\$0	\$0	\$0	\$0	\$0	\$80,000	\$0	\$80,000
<b>Project Total:</b>									<b>\$80,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Streets

#### Union Street Streetscapes

##### Project Information

**Project Num:** 1197  
**Category:** Visionary  
**Fund Group:** Tax Increment Financing  
**Fund Detail:** TIF Old Town

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

**Project Description:**  
 Enhance streetscapes on Union Street. This project should be coordinated with the snowmelt project (1159-21-CIP) in Old Town.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF2	TIF Old Town	\$0	\$0	\$0	\$409,200	\$409,200	\$0	\$0	\$818,400
<b>Project Total:</b>									<b>\$818,400</b>

##### COST DETAIL:

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

##### Service Impact:

Improvements to streetscapes

##### Project Justification:

Improvements to streetscapes

##### Location Description:

Union Street



## Six Year Capital Improvement Program

### Walkways

#### Griffin St Non-Motorized Connector

##### Project Information

**Project Num:** 1720  
**Category:** Capital  
**Fund Group:** Available Capital Project Fund  
**Fund Detail:** Walkways/Bike Paths

**Dept Head:** Shawn Winter  
**Department:** Planning and Zoning  
**Submitted By:** Shawn Winter  
**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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
GEN	General Fund	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$250,000
<b>Project Total:</b>									<b>\$1,750,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Walkways

#### M-72 Sidewalk New Construction

##### Project Information

**Project Num:** 1191  
**Category:** Visionary  
**Fund Group:** Other  
**Fund Detail:** Available Capital Projects Fund

**Dept Head:** Shawn Winter  
**Department:** Planning and Zoning  
**Submitted By:** Shawn Winter  
**Staff Priority:** Essential (Should Do)

**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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
GEN	General Fund	\$0	\$0	\$0	\$206,553	\$0	\$0	\$0	\$206,553
<b>Project Total:</b>									<b>\$206,553</b>

##### COST DETAIL:

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

##### Service Impact:

TBD

##### Project Justification:

TBD

##### Location Description:

Old Morgan Trail extending to Southwest Bayshore Drive.



## Six Year Capital Improvement Program

### Walkways

#### Midtown Riverwalk

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF2	TIF Old Town	\$0	\$672,000	\$0	\$0	\$0	\$0	\$0	\$672,000
<b>Project Total:</b>									<b>\$672,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### Walkways

#### Riverine Riverwalk

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF2	TIF Old Town	\$0	\$0	\$392,000	\$392,000	\$0	\$0	\$0	\$784,000
<b>Project Total:</b>									<b>\$784,000</b>

##### COST DETAIL:

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

##### Service Impact:

Enhance riverwalk

##### Project Justification:

Enhance the riverwalk for public use

##### Location Description:

Boardman River south of Eighth Street



## Six Year Capital Improvement Program

### Walkways

#### Rivers Edge Riverwalk Decking Replacement

##### Project Information

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

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
TIF2	TIF Old Town	\$0	\$0	\$0	\$119,700	\$0	\$0	\$0	\$119,700
<b>Project Total:</b>									<b>\$119,700</b>

##### COST DETAIL:

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

##### Service Impact:

None foreseen

##### Project Justification:

Replacement of old decking

##### Location Description:

River's Edge



## Six Year Capital Improvement Program

### Walkways

#### TART Transformation 2

##### Project Information

**Project Num:** 1713  
**Category:** Capital  
**Fund Group:** General  
**Fund Detail:** Walkways/Bike Paths  
**Dept Head:** Shawn Winter  
**Department:** Planning and Zoning  
**Submitted By:** Shawn Winter  
**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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
ACPF	Available Capital Projects Fund	\$0	\$0	\$0	\$41,000	\$0	\$0	\$0	\$41,000
FSG	Federal / State Grant	\$0	\$0	\$0	\$123,000	\$0	\$0	\$0	\$123,000
P	Private	\$0	\$0	\$0	\$41,000	\$0	\$0	\$0	\$41,000
<b>Project Total:</b>									<b>\$205,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$12,300	
<b>Construction:</b>	\$205,000	<b>Cost Total: \$217,300</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: -\$12,300</b>
<b>Maint. Year Start:</b>	2025	

##### 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 Program

### Wastewater

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

##### Project Information

<b>Project Num:</b> 1052	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.  11/30/23 Added 20% for increased labor and inflation.
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Sewer Collection System	<b>Staff Priority:</b> Essential (Should Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$120,000	\$0	\$120,000
<b>Project Total:</b>									<b>\$120,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0		
<b>Land Acquisition / ROW:</b>	\$0		
<b>Engineering / Design:</b>	\$0		
<b>Construction:</b>	\$120,000	<b>Cost Total:</b>	<b>\$120,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference:</b>	<b>\$0</b>
<b>Maint. Year Start:</b>			

##### 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.



## Six Year Capital Improvement Program

### Wastewater

#### 2nd Membrane Replacement

##### Project Information

<b>Project Num:</b> 1044	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Maintenance	<b>Department:</b> 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.
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Elizabeth Hart	
<b>Fund Detail:</b> Sewer Plant and Buildings	<b>Staff Priority:</b> Essential (Should Do)	

11/30/23 Project cost was increased by 20% due to inflation and labor rates.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$2,750,000
S	Sewer Fund	\$0	\$0	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$2,750,000
<b>Project Total:</b>									<b>\$5,500,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$7,700,000	<b>Cost Total: \$7,700,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: <span style="color: red;">-\$2,200,000</span></b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### Aeration Basin /Aerating Equipment Upgrade

##### Project Information

<b>Project Num:</b> 1171	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Capital	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Elizabeth Hart	
<b>Fund Detail:</b> Sewer Plant and Buildings	<b>Staff Priority:</b> Imperative (Must Do)	

Total Project Cost was increased by 20% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000
<b>Project Total:</b>									<b>\$3,000,000</b>

##### COST DETAIL:

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

##### Service Impact:

This project will address any structural issues identified in the 2025-26 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.



## Six Year Capital Improvement Program

### Wastewater

#### Digester 5 Cleaning and Reconditioning Equipment

##### Project Information

<b>Project Num:</b> 1036	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	Digester 5 Cleaning and Reconditioning-Per Facility's Priority Improvements Plan Task 7 and Task 9 Evaluation performed 2023-2024-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
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Elizabeth Hart	
<b>Fund Detail:</b> Sewer Plant and Buildings	<b>Staff Priority:</b> Essential (Should Do)	

Total project cost increased by 20% due to inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$442,500	\$0	\$0	\$0	\$442,500
S	Sewer Fund	\$0	\$0	\$0	\$442,500	\$0	\$0	\$0	\$442,500
<b>Project Total:</b>									<b>\$885,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$885,000	<b>Cost Total: \$885,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### East Bay Park Storm Sewer Outlet Repair

##### Project Information

<b>Project Num:</b> 1729	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Capital	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Stormwater Fund	<b>Staff Priority:</b> Essential (Should Do)	

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000
<b>Project Total:</b>									<b>\$60,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### Enclose Membrane Trains

##### Project Information

**Project Num:** 971  
**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:** Important (Could Do)

**Project Description:**  
 Membrane Tank Covers or Enclosure Upgrade per 2025-2026 Engineering Study. This project will also include the reconditioning of the Membrane bridge crane.

11/30/23 Project cost was increased by 20% due to inflation and labor rates.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$0	\$0	\$0	\$900,000	\$900,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$900,000	\$900,000
<b>Project Total:</b>									<b>\$1,800,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$1,800,000	<b>Cost Total: \$1,800,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### 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.

11/30/23 Project cost was increased by 20% due to inflation and labor rates.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$45,000	\$0	\$0	\$0	\$45,000
S	Sewer Fund	\$0	\$0	\$0	\$45,000	\$0	\$0	\$0	\$45,000
<b>Project Total:</b>									<b>\$90,000</b>

##### COST DETAIL:

**Study:** \$0

**Land Acquisition / ROW:** \$0

**Engineering / Design:** \$90,000

**Construction:** \$0

**Annual Maint. Cost:**

**Maint. Year Start:**

**Cost Total:** \$90,000

**Project Difference:** \$0

##### 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.



## ***Six Year Capital Improvement Program***

### **Wastewater**

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**Location Description:**

606 Hannah Ave





## Six Year Capital Improvement Program

### 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.

11/30/23 Project cost was increased by 20% due to inflation and labor rates.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$1,840,000	\$0	\$0	\$0	\$1,840,000
S	Sewer Fund	\$0	\$0	\$0	\$1,840,000	\$0	\$0	\$0	\$1,840,000
<b>Project Total:</b>									<b>\$3,680,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$3,680,000	<b>Cost Total: \$3,680,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Wastewater

#### Membrane Tank Covers or Enclosure Eng. Eval

##### Project Information

<b>Project Num:</b> 1172	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Visionary	<b>Department:</b> Department of Municipal Utilities	WW-Membrane Tank Covers or Enclosure Engineering Evaluation per Task 8 of the Facility's Priority Plan
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Elizabeth Hart	
<b>Fund Detail:</b> Sewer Plant and Buildings	<b>Staff Priority:</b> Important (Could Do)	Total project cost increased by 20% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$22,500	\$0	\$0	\$0	\$0	\$22,500
S	Sewer Fund	\$0	\$0	\$22,500	\$0	\$0	\$0	\$0	\$22,500
<b>Project Total:</b>									<b>\$45,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$45,000	
<b>Construction:</b>	\$0	<b>Cost Total: \$45,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### Ramsdell Storm Sewer Upgrade

##### Project Information

<b>Project Num:</b> 1728	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Capital	<b>Department:</b> Department of Municipal Utilities	Replace 180 feet of existing 12-inch clay storm sewer with PVC downstream of the Ramsdell Pond area and install one manhole.  11/30/23 Added 20% for increased labor and inflation.
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Stormwater Fund	<b>Staff Priority:</b> Essential (Should Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000
<b>Project Total:</b>									<b>\$60,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### 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 is completed in 2025-26. 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 20% for inflation and labor costs

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$825,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$825,000
<b>Project Total:</b>									<b>\$1,650,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### RWWTP-UPGRADE DIGESTED SOLIDS THICKENING EQUIPMENT

##### Project Information

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

Total project cost increased by 20% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$0	\$0	\$950,000	\$0	\$0	\$950,000
S	Sewer Fund	\$0	\$0	\$0	\$0	\$950,000	\$0	\$0	\$950,000
<b>Project Total:</b>									<b>\$1,900,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$1,900,000	<b>Cost Total: \$1,900,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### RWWTP-Yard Piping Engineering Evaluation

##### Project Information

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

Total project increased by 20% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000
S	Sewer Fund	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000
<b>Project Total:</b>									<b>\$90,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$90,000	
<b>Construction:</b>	\$0	
<b>Annual Maint. Cost:</b>		<b>Cost Total: \$90,000</b>
<b>Maint. Year Start:</b>		<b>Project Difference: \$0</b>

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### TRWWTP-Plant Electrical Engineering Evaluation

##### Project Information

<b>Project Num:</b> 1168	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Visionary	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Elizabeth Hart	
<b>Fund Detail:</b> Sewer Plant and Buildings	<b>Staff Priority:</b> Essential (Should Do)	

Total project cost increased by 20% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
P	Private	\$0	\$0	\$37,500	\$0	\$0	\$0	\$0	\$37,500
S	Sewer Fund	\$0	\$0	\$37,500	\$0	\$0	\$0	\$0	\$37,500
<b>Project Total:</b>									<b>\$75,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Wastewater

#### WW - West Side Sanitary Sewer Lining

##### Project Information

<b>Project Num:</b> 1744	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	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.
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Sewer Collection System	<b>Staff Priority:</b> Imperative (Must Do)	11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000
<b>Project Total:</b>									<b>\$1,200,000</b>

##### COST DETAIL:

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

##### Service Impact:

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

##### Project Justification:

2017 SAW Grant and sanitary sewer flow monitoring data from 2020 to the present.

##### Location Description:

West side of City - various locations





## Six Year Capital Improvement Program

### 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 \$1,982,000 - 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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

Funding Sources:		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$0	\$0	\$1,982,000	\$0	\$0	\$1,982,000
<b>Project Total:</b>									<b>\$1,982,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$1,982,000	<b>Cost Total: \$1,982,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Wastewater

#### WW Gravity Main Rehab\Repair and PACP Inspections

##### Project Information

<b>Project Num:</b> 1058	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> Future Project for FY2025-26 through FY2030-31, so negative "Project Difference". Rehabilitate and Repair Wastewater Gravity Mains that were recommended in the 2017 SAW Grant Asset Management Plan. Also, continue to clean and perform PACP inspections for the entire system within a seven year cycle.
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Sewer Collection System	<b>Staff Priority:</b> Essential (Should Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$1,925,000
<b>Project Total:</b>									<b>\$1,925,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$2,310,000	<b>Cost Total: \$2,310,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: <span style="color: red;">-\$385,000</span></b>
<b>Maint. Year Start:</b>		

##### 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 2017 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.



## Six Year Capital Improvement Program

### Wastewater

#### WW Manholes Rehab\Repair and MACP Inspections

##### Project Information

<b>Project Num:</b> 1057	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> Future Project for FY2025-26 through FY2030-31, so negative "Project Difference". Rehabilitate and Repair Wastewater Manholes that were recommended in the 2017 SAW Grant Asset Management Plan. Also, continue to MACP inspect on all remaining Wastewater Manholes that were not inspected during the 2017 SAW Grant Project.
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Waste Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Sewer Collection System	<b>Staff Priority:</b> Essential (Should Do)	

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
S	Sewer Fund	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
<b>Project Total:</b>									<b>\$250,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$300,000	<b>Cost Total: \$300,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: <span style="color: red;">-\$50,000</span></b>
<b>Maint. Year Start:</b>		

##### 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 2017 SAW Grant Project.

##### Location Description:

City-wide.



## Six Year Capital Improvement Program

### Water

#### Bloomfield Rd Water Booster Station Demolition

##### Project Information

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

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
<b>Project Total:</b>									<b>\$120,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$120,000	<b>Cost Total: \$120,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### Water

#### Cass St & 9th Watermain/Storm Sewer Repair

##### Project Information

<b>Project Num:</b> 1757	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water Distribution System	<b>Staff Priority:</b> Essential (Should Do)	

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
<b>Project Total:</b>									<b>\$120,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$120,000	<b>Cost Total: \$120,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### 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	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$1,610,000	\$3,900,000	\$4,120,000	\$0	\$9,630,000
<b>Project Total:</b>									<b>\$9,630,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Water

#### East Front Street 16" Watermain

##### Project Information

**Project Num:** 1053  
**Category:** Capital  
**Fund Group:** Water  
**Fund Detail:** Water Distribution System

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

**Project Description:**  
 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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$0	\$1,618,000	\$0	\$1,618,000
								<b>Project Total:</b>	<b>\$1,618,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$1,618,000	<b>Cost Total: \$1,618,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### Electrical Gear Upgrades at WTP & Low Service

##### Project Information

<b>Project Num:</b> 930	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Capital	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water System Reliability Projects	<b>Staff Priority:</b> Imperative (Must Do)	

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$2,865,000	\$0	\$0	\$0	\$2,865,000
<b>Project Total:</b>									<b>\$2,865,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$2,865,000	<b>Cost Total: \$2,865,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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





## Six Year Capital Improvement Program

### Water

#### Hannah Ave Water Main Upgrade

##### Project Information

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

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$925,000	\$0	\$0	\$925,000
<b>Project Total:</b>									<b>\$925,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$925,000	<b>Cost Total: \$925,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### High & Low Service Pump Repairs

##### Project Information

<b>Project Num:</b> 770	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Capital	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water System Reliability Projects	<b>Staff Priority:</b> Imperative (Must Do)	

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$930,000	\$0	\$0	\$0	\$930,000
<b>Project Total:</b>									<b>\$930,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$930,000	<b>Cost Total: \$930,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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



## Six Year Capital Improvement Program

### 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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000
<b>Project Total:</b>									<b>\$300,000</b>

##### COST DETAIL:

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

##### 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



## Six Year Capital Improvement Program

### Water

#### New Raw Water Main from Low Service to WTP

##### Project Information

**Project Num:** 1251  
**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:

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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

Funding Sources:		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$0	\$0	\$1,110,000	\$0	\$1,110,000
								<b>Project Total:</b>	<b>\$1,110,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$1,110,000	<b>Cost Total: \$1,110,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### Park Place Area Infrastructure Improvements

##### Project Information

**Project Num:** 1027  
**Category:** Capital  
**Fund Group:** Water  
**Fund Detail:** Water System Reliability Projects

**Dept Head:** Art Krueger  
**Department:** Department of Municipal Utilities  
**Submitted By:** Missy Luick  
**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.

11/30/23 Added 20% for increased labor and inflation.

Unknown revenue amount from Brownfield to be determined.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
BR	Brownfield	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$1
S	Sewer Fund	\$0	\$0	\$0	\$480,000	\$0	\$0	\$0	\$480,000
WAT	Water Fund	\$0	\$0	\$0	\$1,170,000	\$0	\$0	\$0	\$1,170,000
<b>Project Total:</b>									<b>\$1,650,001</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$150,000	
<b>Construction:</b>	\$1,500,000	
<b>Annual Maint. Cost:</b>		
<b>Maint. Year Start:</b>		
	<b>Cost Total:</b>	<b>\$1,650,000</b>
	<b>Project Difference:</b>	<b>\$1</b>

##### 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



## Six Year Capital Improvement Program

### Water

#### Plant - Freight Elevator Compliance

##### Project Information

<b>Project Num:</b> 121	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Visionary	<b>Department:</b> Department of Municipal Utilities	Replacement of elevator's original steel single wall casing hydraulic cylinder (1965) with double wall casing cylinder.
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water Treatment	<b>Staff Priority:</b> Essential (Should Do)	11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$360,000	\$0	\$0	\$0	\$360,000
<b>Project Total:</b>									<b>\$360,000</b>

##### COST DETAIL:

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

##### 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.



## Six Year Capital Improvement Program

### Water

#### Replace 16" Water Main Valves along Wash& Front St

##### Project Information

**Project Num:** 1181  
**Category:** Maintenance  
**Fund Group:** Water  
**Fund Detail:** Water Distribution System

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

##### Project Description:

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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

Funding Sources:		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000
<b>Project Total:</b>									<b>\$120,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$120,000	<b>Cost Total: \$120,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### WTP Backwash & Surface Wash Pumps

##### Project Information

**Project Num:** 1183  
**Category:** Maintenance  
**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:**  
 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.

12/13/22 Cost increased 25% for inflation and labor

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$228,000	\$0	\$0	\$0	\$228,000
<b>Project Total:</b>									<b>\$228,000</b>

##### COST DETAIL:

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

##### 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.





## Six Year Capital Improvement Program

### Water

#### WTP Chlorine Storage & Building Improvements

##### Project Information

**Project Num:** 933  
**Category:** Visionary  
**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:**  
 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.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$540,000	\$0	\$0	\$0	\$540,000
<b>Project Total:</b>									<b>\$540,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$540,000	<b>Cost Total: \$540,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### WTP High Service - Cone Valve Replacement

##### Project Information

**Project Num:** 1182  
**Category:** Maintenance  
**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:**  
 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.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$538,000	\$0	\$0	\$0	\$538,000
<b>Project Total:</b>									<b>\$538,000</b>

##### COST DETAIL:

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

##### 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)



## Six Year Capital Improvement Program

### Water

#### WTP Solar Micro-Grid

##### Project Information

**Project Num:** 1760  
**Category:** Capital  
**Fund Group:** Water  
**Fund Detail:** Water Treatment

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

**Project Description:**  
 Construct a solar array and micro-grid system to include panels on WTP building roof tops and adjacent vacant land. Battery storage would increase reliability and reduce generator run time during an extended power outage.

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
FSG	Federal / State Grant	\$0	\$0	\$0	\$2,400,000	\$0	\$0	\$0	\$2,400,000
<b>Project Total:</b>									<b>\$2,400,000</b>

##### COST DETAIL:

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



## Six Year Capital Improvement Program

### Water

#### WTP Standby Generator Replacement Project

##### Project Information

<b>Project Num:</b> 1017	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b> 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.
<b>Category:</b> Maintenance	<b>Department:</b> Department of Municipal Utilities	
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water System Reliability Projects	<b>Staff Priority:</b> Essential (Should Do)	

11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$720,000	\$0	\$0	\$0	\$720,000
<b>Project Total:</b>									<b>\$720,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$720,000	<b>Cost Total: \$720,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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.



## Six Year Capital Improvement Program

### Water

#### WTP Windows Replacement Project

##### Project Information

<b>Project Num:</b> 1184	<b>Dept Head:</b> Art Krueger	<b>Project Description:</b>
<b>Category:</b> Maintenance	<b>Department:</b> 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).
<b>Fund Group:</b> Water	<b>Submitted By:</b> Art Krueger	
<b>Fund Detail:</b> Water Treatment	<b>Staff Priority:</b> Important (Could Do)	11/30/23 Added 20% for increased labor and inflation.

##### Funding Sources:

		Previous	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	Total
WAT	Water Fund	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$180,000
<b>Project Total:</b>									<b>\$180,000</b>

##### COST DETAIL:

<b>Study:</b>	\$0	
<b>Land Acquisition / ROW:</b>	\$0	
<b>Engineering / Design:</b>	\$0	
<b>Construction:</b>	\$180,000	<b>Cost Total: \$180,000</b>
<b>Annual Maint. Cost:</b>		<b>Project Difference: \$0</b>
<b>Maint. Year Start:</b>		

##### 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