



**CITY OF OWOSSO PLANNING COMMISSION**  
**Regular Meeting**  
**Monday, March 27, 2023 at 6:30 p.m.**  
**AGENDA**

- A. CALL TO ORDER**
- B. PLEDGE OF ALLEGIANCE**
- C. ROLL CALL**
- D. APPROVAL OF AGENDA – March 27, 2023**
- E. APPROVAL OF MINUTES – January 23, 2022**
- F. ELECTION OF OFFICERS (DUE in July of 2023)**
- G. PUBLIC HEARINGS: None**
- H. SITE PLAN REVIEWS: None**
- I. ITEMS OF BUSINESS:**
  - 1. Capital Improvement Plan (CIP) 2023-2029
- J. COMMISSIONER/CITIZEN COMMENTS:**
- K. ADJOURNMENT**

**Next regular meeting will be on Monday, April 24, 2023 at 6:30 p.m.**

*The City of Owosso will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and recordings of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon seventy-two (72) hours' notice to the City of Owosso. Individuals with disabilities requiring auxiliary aids or services should contact the City of Owosso by writing or calling the following: Amy Kirkland, City Clerk, 301 W. Main St, Owosso, MI 48867 (989) 725-0500. The City of Owosso website is: [www.ci.owosso.mi.us](http://www.ci.owosso.mi.us)*

**MINUTES**  
**REGULAR MEETING OF THE OWOSSO PLANNING COMMISSION**  
**Monday, January 23, 2023 – 6:30 P.M.**

**CALL TO ORDER:** Chairman Wascher called the meeting to order at 6:30 p.m.

**PLEDGE OF ALLEGIANCE:** Recited

**ROLL CALL:** Tanya Buckelew

**MEMBERS PRESENT:** Secretary Fear, Vice-Chair Livingston, Commissioners Martin, Schlaack, Taylor and Chairman Wascher

**MEMBERS ABSENT:** Commissioners Jenkins, Law and Robertson

**OTHERS PRESENT:** Tanya Buckelew, Planning & Building Director & Justin Sprague, CIB Planning

**APPROVAL OF AGENDA:**

**MOTION BY VICE-CHAIR LIVINGSTON, SUPPORTED BY SECRETARY FEAR TO APPROVE THE AGENDA FOR January 23, 2023.**

**YEAS ALL. MOTION CARRIED.**

**APPROVAL OF MINUTES:**

**MOTION BY VICE-CHAIR LIVINGSTON SUPPORTED BY COMMISSIONER MARTIN TO APPROVE THE MINUTES FOR THE November 28, 2022 MEETING.**

**YEAS ALL. MOTION CARRIED.**

**ITEMS OF BUSINESS:**

**1. Planning Commission Annual Report for 2022**

Discussion held on the contents of the report.

**MOTION BY VICE-CHAIR LIVINGSTON SUPPORTED BY COMMISSIONER TAYLOR TO APPROVE THE 2022 PLANNING COMMISSION ANNUAL REPORT AND REFER TO CITY COUNCIL FOR REVIEW AND APPROVAL.**

**YEAS ALL. MOTION CARRIED.**

**2. Zoning Ordinance Full Re-Write Review and Discussion**

Various chapters have been presented to the Planning Commission for review and discussion including the following -

Article I.	Title, Purpose and Authority
Article II.	General Provisions
Article XII.	Planned Unit Development, PUD Overlay
Article XVI.	Rezoning, Zoning and Master Plan Amendment Review

Article XVII. Nonconforming Uses, Structures and Lots  
Article XVIII. Condominium Development Standards  
Articles XIX. Off Street Parking and Loading Standards  
Article XX. Access Management and Driveway Standards  
Articles XXI. Landscape Standards and Tree Replacement  
Article XXII. Lighting Standards  
Article XXIII. Administration and Enforcement  
Articles XXIV. Zoning Board of Appeals (ZBA)

The next step in the process is the use districts for residential, business, office and the new corridor district.

The plan is to hold a Public Hearing in April/May with the Planning Commission and to Council in June for a Public Hearing, then adoption, unless changes are recommended.

Discussion held regarding the parking and requiring paved lots and curb/gutters. Will refer to City Engineer for further review.

Discussion regarding the percentage of floor area in regards to the number of parking spots required. Justin will run a test of 70% vs. 85% and bring the results back to the February meeting.

Final chapters for review will be Site Development, Special Land Use and Site Plan Review.

Discussion regarding the new chapter for Condos and private roads or public streets. Will refer to City Engineer for further review.

Common Elements – General Common or Limited Common based on the Condo Act. Will review further.

**COMMISSIONER/CITIZEN COMMENTS:**

None

**ADJOURNMENT:**

**MOTION BY COMMISSIONER TAYLOR SUPPORTED BY VICE-CHAIR LIVINGSTON TO  
ADJOURN AT 7:10 PM UNTIL THE NEXT MEETING ON FEBRUARY 27, 2023.**

**YEAS ALL, MOTION CARRIED**

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**Janae Fear, Secretary**





# **CAPITAL IMPROVEMENT PLAN**

**CITY OF OWOSSO**  
**2023-2029**



### **City Council**

Robert Teich, Mayor  
Susan Osika, Mayor Pro-Tem  
Janae Fear  
Jerry Haber  
Daniel Law  
Emily Olson  
Nicholas Pidek

### **Planning Commission**

William Wascher, Chair  
Francis Livingston, Vice Chair  
Janae Fear, Secretary  
Linda Robertson  
Daniel Law  
Thomas Taylor  
Tara Jenkins  
Steven Schlaack

### **Capital Improvement Review Committee**

Nathan Henne, Main Street, DDA  
Amy Fuller, Assistant City Manager  
Ryan Suchanek, Director of Public Services  
Brad Barrett, Finance Director  
Nathan Henne, City Manager  
Amy Kirkland, City Clerk  
Kevin Lenkart, Director of Public Safety  
Jessica Unangst, Human Resources & IT Director

## CAPITAL IMPROVEMENT PLAN (CIP) OVERVIEW

### WHAT IS A CIP?

The Capital Improvement Plan (CIP) serves as the city's multi-year planning instrument used to identify needs and financing sources for public infrastructure improvements. Preparation of the CIP is performed under the authority of the Michigan Planning Enabling Act:

*"The capital improvements program shall show those public structures and improvements, in the general order of their priority that in the commission's judgment will be needed or desirable and can be undertaken within the ensuing 6-year period. The capital improvements program shall be based upon the requirements of the local unit of government for all types of public structures and improvements. Consequently, each agency or department of the local unit of government with authority for public structures or improvements shall upon request furnish the planning commission with lists, plans, and estimates of time and cost of those public structures and improvements."*

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

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

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

A CIP project is defined as a major expenditure that includes one or more of the following:

1. Any construction of a new facility (i.e. public building, water/sewer mains, storm sewers, roads, and recreation facilities), an addition to, or an extension of such a facility, provided that the cost is \$10,000 or more and will have a useful life of one year or more.
2. Any rehabilitation of all or a part of a building, its grounds, a facility, or equipment, provided that the cost is \$10,000 or more and will have a useful life of one year or more.
3. Any purchase or replacement of major equipment to support community programs provided that the cost is \$10,000 or more, will have a useful life of one year or more and will be considered a capital asset
4. Any planning, feasibility, engineering, or design study provided that the cost is \$10,000 or more.
5. Any acquisition of land for a public purpose.

## **CIP AND BUDGET PROCESS**

The CIP process precedes the budget process and is used by City Council when developing the annual budget. Recommending approval of the CIP by the Planning Commission does not mean that they grant final approval of all projects contained within the plan. Rather by recommending approval of the CIP, the Planning Commission acknowledges that these projects represent a reasonable interpretation of the upcoming needs for the community and that projects contained in the first year of the plan are suitable for inclusion in the upcoming budget, if funding is available.

Priority rankings do not necessarily correspond to funding sequence. For example, a road project which is ranked lower than a park project may be funded before the park project because the road project has access to a road millage revenue source, whereas a park project may have to compete for funding from other revenue sources, like grants or general fund dollars.

It is important to keep in mind that the CIP is a planning tool, a guide that deals with physical condition and improvements throughout the City over a six year period of time. It is subject to changing priorities based on needs, wants reflected in our community and its citizenry.

## **CIP DEVELOPMENT PROCESS**

In the fall, the CIP Plan Group members submitted proposed projects for the CIP. A draft list of projects was then created by the CIP Project Lead. The list of projects was then reviewed by the CIP Plan Group and the Year 1 projects were ranked based on the following:

1. Is the proposed project already in process due to its inclusion in the current budget year? Is the project under construction, under contract, and is there a continuing debt obligation payable?
2. Is the project mandated by law or court action?
3. Is there a relationship between the proposed project and the City's goals and objectives and/or the goals and objectives of the appropriate board or commission?
4. Is alternative funding available? Is funding available through other sources or is funding available through land contract or bonding to minimize annual cost requirement?
5. Does the proposed project generate revenue for the general fund and/or other funds? This item should be determined based upon an annual forecast and the schedule of revenues should be designated by the appropriate fund.
6. Does the proposed project result in the use of supplementary funds for "leverage" using matching funds with other funding sources.

Once the Committee members ranked the Year 1 projects, the list was then forwarded to the Administrative Team for final scoring of the projects requested prior to the draft CIP being created. Once the draft CIP document is compiled, it is forwarded on to Planning Commission for adoption after review during an open meeting. City Council adopts the CIP after the Planning Commission and prior to the budget adoption. CIP should be used as a tool by City Council during the budget process.

## FUNDING

Each year during the Budget process City Council will review the CIP Year 1 projects and evaluate the available revenue to determine the feasibility of funding projects. While recommended funding sources are listed in the CIP, those may change during the budget process. Some Year 1 projects may also remain unfunded during the Budget process.

Below you will find a brief description of the possible funding sources for the six year CIP:

**Major and Local Street Fund** – The major and local street funds are considered special revenue funds which utilize state and weight tax revenues for the maintenance and improvements to city streets.

**Bond** - When the City sells bonds, purchasers are, in effect, lending the community money. The money is repaid, with interest, from taxes or fees over the years. The logic behind issuing bonds (or “floating a bond issue”) for capital projects is that the citizens who benefit from the capital improvements over a period of time should help the community pay for them.

**Grants** - The federal and state governments make funds available to communities through numerous grants and aid programs. The City has no direct control over the amount of grant money awarded to the City or if a grant is awarded. MMRMA, our liability/property insurer, also offers grants. These are risk avoidance grants, as well as, some training grants.

**Special Assessment District** - Capital improvements that benefit particular properties, rather than the community as a whole, may be financed more equitably by a special assessment, i.e., by those who directly benefit. Local improvements often financed by this method include street improvements (including pavement, curb and gutter, sidewalks, etc.).

**General Fund** – The general fund is the City’s primary operating fund. The general fund is a government fund that generates revenues to cover general operational expenses and is accounted for on the modified accrual basis. Modified accrual basis of accounting is a blend of both cash and full accrual. Revenue is recognized when it is considered available and measurable, while expenses are recognized when the liability has occurred.

**Motor Pool** - This fund operates like a business by purchasing and maintaining much of the city vehicles and equipment. When other funds require the use of this equipment or vehicles, they are charged rental income.

**Sewer Fund** – The sewer fund collects user fees to operate and maintain the city’s sewer system.

**Water Fund** – The water fund collects user fees to operate and maintain the city’s water system.

**Wastewater Treatment Fund** – This fund accounts for the treatment of waste water utilizing user fees from the city’s water fund and user fees from the Mid-County service area participants.

**Downtown Development Authority (DDA) Fund** – The DDA collects revenues from taxes generated by a 2-mil levy and a tax increment financing district. Proceeds from these revenues are used as operating monies and as debt service for physical improvements and other activities in the DDA boundary.



**Parks and Historic Millage** – This millage was approved by the voters in November of 2018. This millage will levy a new additional millage of one mill (\$1.00 per \$1,000.00) on the taxable value of property located in the City of Owosso. The millage shall be levied for two years beginning with the 2019 tax levy year and running through the 2020 tax year (inclusive). As approved, the millage will provide funding to the City of Owosso Parks and Recreation Commission and the City of Owosso Historical Commission. Revenue will be used to maintain, improve, and upgrade parks and preserve historical sites within the City of Owosso.

**Donations & Private Sponsorship** – This funding source is based on dollars or in-kind donations received from individuals or businesses for specific projects or to specific organizations.

**American Rescue Plan Act (ARPA)** – This funding source comes from the United States government in response to the COVID-19 pandemic's effects on local services. There are rules for the appropriation of these funds that limit spending to government services listed in the US Department of Treasury Final ARPA Rule.

**CIP COMPONENTS**

The components of the CIP have been established as follows:

<b>CATEGORY</b>	<b>DEPARTMENT</b>
Comm Dev	Community Development
Historical	Historical Facilities
IT	Information Technology
Main St/DDA	Main Street and Downtown Development Authority
Parks and Rec	Parks and Recreation
Public Safety	Public Safety
Public Service	Public Service
Public Works	Public Works
WTP	Water Treatment Plant
WWTP	Waste Water Treatment Plant

PROJECTS BY CATEGORY

CATEGORY	PROJECT NAME	FUNDING SOURCE	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	TOTAL
Comm Dev	Ada Street Demo	General Fund	\$ 20,000							\$ 20,000
Comm Dev	Fraser Street Demo	General Fund	\$ 18,000							\$ 18,000
Comm Dev	Cedar St Demo	General Fund	\$ 20,000							\$ 20,000
Comm Dev	Park St Demo	General Fund	\$ 20,000							\$ 20,000
Comm Dev	MSHDA NEP Program	Grant		\$ 75,000						\$ 75,000
Comm Dev	Zoning Ordinance Update	General Fund		\$ 40,000						\$ 40,000
Comm Dev	TOTAL		\$ 78,000	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,000
Historical	Curwood Castle Exterior Lighting	OHC		\$ 10,000						\$ 10,000
Historical	Curwood Castle Boiler Replacement	OHC			\$ 20,000					\$ 20,000
Historical	Curwood Castle Exterior/Interior Stucco Repair	OHC	\$ 10,000							\$ 10,000
Historical	Curwood Castle Energy Efficient Windows	Millage, Grants		\$ 15,000						\$ 15,000
Historical	Gould House Energy Efficient Windows	OHC		\$ 35,000						\$ 35,000
Historical	Gould House Porch Rebuild (Washington St)	OHC			\$ 50,000					\$ 50,000
Historical	Gould House Exterior Painting	OHC			\$ 15,000					\$ 15,000
Historical	Gould House Carriage House Restoration	Grants						\$ 200,000		\$ 200,000
Historical	Gould House Interior Restoration	OHC				\$ 35,000				\$ 35,000
Historical	TOTAL		\$ 10,000	\$ 60,000	\$ 85,000	\$ 35,000	\$ -	\$ 200,000		\$ 380,000
IT	General IT Upgrades	General Fund	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 105,000
IT	Replace Cisco Routers	General Fund	\$ 40,000							\$ 40,000
IT	Replace Battery back up	General Fund			\$ 30,000					\$ 30,000
IT	Website Revamp	Various		\$ 30,000						\$ 30,000
IT	Replace Phone Handsets	General Fund		\$ 24,000						\$ 24,000
IT	BSA Timesheets Module	Various		\$ 15,970	\$ 1,785	\$ 1,785	\$ 1,785	\$ 1,785	\$ 1,785	\$ 24,895
IT	Voice Upgrade and Server	General Fund		\$ 61,000						\$ 61,000
IT	Improve Wireless Accessibility - City Hall	General Fund	\$ 18,000							\$ 18,000
IT	Virtual Server	General Fund	\$ 20,000							\$ 20,000
IT	Water Meter Customer Portal	Water Fund	\$ 19,000	\$ 19,000	\$ 19,000	\$ 19,000	\$ 19,000	\$ 19,000	\$ 19,000	\$ 133,000
IT	TOTAL		\$ 112,000	\$ 164,970	\$ 65,785	\$ 35,785	\$ 35,785	\$ 35,785		\$ 485,895
Main St/DDA	Light Up the City - Streetlight Replacement	DDA, Donation		\$ 275,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 875,000
Main St/DDA	Mural Project	Grant				\$ 37,500				\$ 37,500
Main St/DDA	Mainstreet Plaza	DDA, donation		\$ 35,000						\$ 35,000
Main St/DDA	Downtown Security Cameras	DDA, Donations, Grant			\$ 15,000					\$ 15,000
Main St/DDA	TOTAL		\$ -	\$ 310,000	\$ 135,000	\$ 157,500	\$ 120,000	\$ 120,000	\$ 120,000	\$ 962,500
Parks and Rec	Adams Park Pavilion	Grant, Donations		\$ 30,000						\$ 30,000
Parks and Rec	Barrier Free Landing at Oakwood Ave Bridge	General Fund, Grant		\$ 100,000						\$ 100,000
Parks and Rec	Bennett and DeMuth Field Light Replacement	General Fund			\$ 250,000					\$ 250,000
Parks and Rec	Collamer Park Boat Launch	General Fund, Grant, Donation	\$ 15,000							\$ 15,000
Parks and Rec	Collamer Park Fishing Pier	General Fund, Grant, Donation			\$ 15,000					\$ 15,000
Parks and Rec	Harmon Patridge Trail Rehab	Millage, General Fund	\$ 10,000							\$ 10,000
Parks and Rec	Middle School Kayak/Canoe Landing	Millage, Grant, Donation	\$ 40,000							\$ 40,000
Parks and Rec	Curwood Castle Parking Lot Improvements	Millage	\$ 75,000							\$ 75,000
Parks and Rec	Grove Holman Parking Lot	Millage		\$ 60,000						\$ 60,000
Parks and Rec	Hugh Parker Equipment Storage Building	Grant, Donation			\$ 30,000					\$ 30,000
Parks and Rec	Hugh Parker Field Improvements	General Fund, Grant, Donation			\$ 40,000					\$ 40,000
Parks and Rec	N. Chipman Footbridge	General Fund, Grant, Donation					\$ 200,000			\$ 200,000
Parks and Rec	Park Entrance Signage	General Fund, Grant, Donation			\$ 30,000					\$ 30,000
Parks and Rec	Rosevear Parking Lot	General Fund, Grant, Donation				\$ 40,000				\$ 40,000
Parks and Rec	Replace Oakwood Bridge Decking	General Fund, Millage	\$ 90,000							\$ 90,000
Parks and Rec	Rosevear to Collamer Connection Path	General Fund, Grant, Donation				\$ 30,000				\$ 30,000

PROJECTS BY CATEGORY

CATEGORY	PROJECT NAME	FUNDING SOURCE	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	TOTAL
Parks and Rec	Rudy DeMuth Parking Removal	General Fund, Grant, Donation					\$ 20,000			\$ 20,000
Parks and Rec	Permanent Connection to CIS Trail	Grants						\$ 3,500,000		\$ 3,500,000
Parks and Rec	TOTAL		\$ 230,000	\$ 190,000	\$ 365,000	\$ 70,000	\$ 220,000	\$ 3,500,000	\$ -	\$ 4,575,000
Public Safety	Lucas Device (CPR Machine)	General Fund	\$ 17,500							\$ 17,500
Public Safety	Patrol Vehicle Replacement	General Fund	\$ 57,200	\$ 57,200	\$ 57,200	\$ 57,200	\$ 57,200	\$ 57,200	\$ 57,200	\$ 400,400
Public Safety	Public Safety Building	General Fund						\$ 15,000,000		\$ 15,000,000
Public Safety	Fire Truck Replacement - Engine #1	General Fund, Grant		\$ 619,000						\$ 619,000
Public Safety	Body Cameras	General Fund, Grant	\$ 83,000							\$ 83,000
Public Safety	Self-Contained Breathing Apparatus (SCBA) Bottles	General Fund, Grant	\$ 141,000							\$ 141,000
Public Safety	TOTAL		\$ 298,700	\$ 676,200	\$ 57,200	\$ 57,200	\$ 57,200	\$ 15,057,200	\$ 57,200	\$ 16,260,900
Public Service	Ada Street Reconstruction	Bond, SAD						\$ 116,000	\$ 116,000	\$ 232,000
Public Service	Ball Street Rehabilitation and water main	Bond, SAD					\$ 611,500	\$ 611,500		\$ 1,223,000
Public Service	Broadway Avenue Rehabilitation	Bond, SAD					\$ 178,000	\$ 178,000		\$ 356,000
Public Service	Campbell Drive Rehabilitation	Bond/SAD						\$ 201,500	\$ 201,500	\$ 403,000
Public Service	Carmody Street Rehabilitation	Bond, SAD			\$ 58,500					\$ 58,500
Public Service	Cedar Street Rehabilitation	Bond, SAD, Water Fund				\$ 1,050,000	\$ 1,050,000			\$ 2,100,000
Public Service	Center Street Rehabilitation - King St to 132 ft north of Alturas	DWRF, WATER, ARPA		\$ 255,000						\$ 255,000
Public Service	Center Street Resurfacing - Alturas Drive to North	Bond, SAD, Water Fund		\$ 255,000						\$ 255,000
Public Service	Chip Seal Program	PA-51 Major and Local Funds	\$ 171,429	\$ 171,429	\$ 171,429	\$ 171,429	\$ 171,429	\$ 171,429	\$ 171,429	\$ 1,200,003
Public Service	Chipman Resurfacing - Harding to North	Bond, SAD				\$ 477,500	\$ 477,500			\$ 955,000
Public Service	Chipman Street Reconstruction - Main St to Beehler St	Bond, MDOT Grant, SAD				\$ 436,150	\$ 436,150			\$ 872,300
Public Service	Clinton Street Rehabilitation and water main	Bond, SAD		\$ 395,000	\$ 395,000					\$ 790,000
Public Service	Comstock Street Rehabilitation	Bond, SAD						\$ 576,500	\$ 576,500	\$ 1,153,000
Public Service	Clyde Street Resurfacing	Bond, SAD, Water, DWRF			\$ 130,000					\$ 130,000
Public Service	Dewey Street Rehabilitation and water main	Bond, SAD							\$ 2,199,000	\$ 2,199,000
Public Service	Division Street Rehabilitation	Bond, SAD		\$ 146,000	\$ 146,000					\$ 292,000
Public Service	Elm Street Reconstruction and water main	Bond, SAD							\$ 496,000	\$ 496,000
Public Service	Exchange Street Rehabilitation	Bond, SAD			\$ 210,000	\$ 210,000				\$ 420,000
Public Service	Gould Street Rehabilitation - North to Moore (water main inc)	Bond, SAD, Small Urban Grant						\$ 245,000	\$ 245,000	\$ 490,000
Public Service	Huntington Drive Rehabilitation	Bond, SAD						\$ 230,500	\$ 230,500	\$ 461,000
Public Service	Howell Street Resurfacing	Bond, SAD			\$ 103,000					\$ 103,000
Public Service	King Street Rehabilitation and water main	Bond, SAD, MDOT Grant						\$ 645,000	\$ 645,000	\$ 1,290,000
Public Service	Jerome Street Resurfacing and LSR	Act 51, SAD, Water				\$ 240,500	\$ 240,500			\$ 481,000
Public Service	Lee Street Rehabilitation and Water Main	Act 51, SAD, Water, DWRF	\$ 132,000	\$ 132,000						\$ 264,000
Public Service	Lynn Street Resurfacing	Bond, SAD			\$ 48,000					\$ 48,000
Public Service	Maple Street Reconstruction (water main inc)	Bond, SAD	\$ 90,000							\$ 90,000
Public Service	Martin Street Rehabilitation	Bond, SAD						\$ 377,000	\$ 377,000	\$ 754,000
Public Service	Mason Street Rehabilitation	Bond, SAD				\$ 541,000	\$ 541,000			\$ 1,082,000
Public Service	Monroe Street Rehabilitation and w. main- Washington to Broadway	Bond, SAD				\$ 534,500	\$ 534,500			\$ 1,069,000
Public Service	North Street Rehabilitation - N. Shiawassee to Hickory	Bond, SAD, Small Urban Grant	\$ 932,800	\$ 932,800						\$ 1,865,600
Public Service	Pearce Street Resurfacing	Bond, SAD					\$ 200,000			\$ 200,000
Public Service	Safe Routes to School Sidewalk Project	Grant, Act 51		\$ 350,000	\$ 350,000					\$ 700,000
Public Service	Sanitary Sewer River Crossing - M-52	Sewer Fund						\$ 750,000	\$ 750,000	\$ 1,500,000
Public Service	Sanitary Sewer Interceptor	Wastewater Fund		\$ 250,000				\$ 3,600,000		\$ 3,850,000
Public Service	Sewer Rehab-St. Construction	Wastewater Fund			\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 480,000	\$ 2,400,000
Public Service	Shady Lane - Resurfacing and water main	Bond, SAD			\$ 363,000	\$ 363,000				\$ 726,000
Public Service	Sidewalk Replacement	Act-51 local & major street fund	\$ 128,571	\$ 128,571	\$ 128,571	\$ 128,571	\$ 128,572	\$ 128,572	\$ 128,572	\$ 900,000
Public Service	Stewart Street Rehabilitation and water main	Bond, SAD, TEDF Category F grant		\$ 777,700	\$ 777,700					\$ 1,555,400
Public Service	Storm Sewer Lining	Bond, SAD	\$ 128,571	\$ 128,571	\$ 128,571	\$ 128,571	\$ 128,572	\$ 128,572	\$ 128,572	\$ 900,000
Public Service	Street Patch	Act-51 local & major street fund, water, sewer fund	\$ 85,714	\$ 85,714	\$ 85,714	\$ 85,714	\$ 85,714	\$ 85,715	\$ 85,715	\$ 600,000
Public Service	Water Main Replacement - 2026 - Construction Misc Other	Water Fund					\$ 2,923,300			\$ 2,923,300



PROJECTS BY CATEGORY

CATEGORY	PROJECT NAME	FUNDING SOURCE	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	TOTAL
Public Service	Water Main Replacement - 2028 - Construction Misc Other	Water Fund							\$ 1,072,500	\$ 1,072,500
Public Service	Water Main Replacement - 2027 - Construction Misc Other	Water Fund						\$ 602,650		\$ 602,650
Public Service	Water Main Replacement - 2022 - Construction Misc Other	Water Fund	\$ 850,000							\$ 850,000
Public Service	Water Main Replacement - 2023 - Construction Misc Other	Water Fund		\$ 772,700						\$ 772,700
Public Service	Water Main Replacement - 2024 - Construction Misc Other	Water Fund			\$ 2,916,250					\$ 2,916,250
Public Service	Water Main Replacement - 2025 - Construction Misc Other	Water Fund				\$ 1,056,562				\$ 1,056,562
Public Service	Water Service Line Replacement - LSR	Water Fund, ARPA, DWRF	\$ 1,157,143	\$ 1,157,143	\$ 1,157,143	\$ 1,157,143	\$ 1,157,143	\$ 1,157,143	\$ 1,157,142	\$ 8,100,000
Public Service	Water Street Rehabilitation and water main	Water Fund, Bond, SAD, DWSRF						\$ 245,500	\$ 245,500	\$ 491,000
Public Service	Woodlawn Avenue Rehabilitation - Farr to Auburndale	Bond, SAD			\$ 239,250	\$ 239,250				\$ 478,500
Public Service	Woodlawn Avenue Rehabilitation - Monroe to Corunna	Bond, SAD			\$ 81,400	\$ 81,400				\$ 162,800
Public Service	TOTAL		\$ 3,676,228	\$ 5,937,628	\$ 7,969,528	\$ 7,381,290	\$ 9,343,880	\$ 10,530,581	\$ 9,305,930	\$ 63,450,995
Public Works	1/2 Ton Pickup	Motor Pool			\$ 25,600					\$ 25,600
Public Works	Administrative Car (2)	Motor Pool	\$ 25,500	\$ 25,500						\$ 51,000
Public Works	Barricades	General Fund	\$ 15,000							\$ 15,000
Public Works	City Hall 2nd Story Window and Water St Door Replacement	General Fund		\$ 25,000						\$ 25,000
Public Works	City Hall Basement Repair West	General Fund			\$ 75,000				\$ 561,000	\$ 636,000
Public Works	City Hall Front Steps	General Fund		\$ 100,000						\$ 100,000
Public Works	City Hall Generator	General Fund							\$ 50,000	\$ 50,000
Public Works	City Hall HVAC Replacement	General Fund			\$ 130,000					\$ 130,000
Public Works	Custom Chipper Cap (Truck 419)	Motor Pool		\$ 12,500						\$ 12,500
Public Works	Heavy Service Truck	Motor Pool							\$ 50,000	\$ 50,000
Public Works	Leaf Truck	Motor Pool					\$ 350,000			\$ 350,000
Public Works	Leaf Vac Machine	Motor Pool				\$ 60,000				\$ 60,000
Public Works	Library Heating Pipes	General Fund				\$ 75,000				\$ 75,000
Public Works	Mower Blower - John Deere	Motor Pool				\$ 50,000				\$ 50,000
Public Works	Pickup 1/2 ton	Motor Pool			\$ 35,000					\$ 35,000
Public Works	Pickups - 3/4 Ton (2)	Motor Pool			\$ 75,000		\$ 85,000			\$ 160,000
Public Works	Pickups (3)	Motor Pool	\$ 80,400							\$ 80,400
Public Works	Pole Barn Insulation	General Fund		\$ 10,000						\$ 10,000
Public Works	Public Works Building Improvements	General Fund					\$ 75,000			\$ 75,000
Public Works	Security & Accessibility Technology at City Hall	General Fund		\$ 15,000					\$ 100,000	\$ 115,000
Public Works	Sewer Vactor Truck	Motor Pool				\$ 750,000				\$ 750,000
Public Works	Skid Steer - W/Attachments	Motor Pool			\$ 125,000					\$ 125,000
Public Works	Street Sweeper	Motor Pool				\$ 300,000				\$ 300,000
Public Works	Tandem Dump Truck (1)	Motor Pool	\$ 205,000							\$ 205,000
Public Works	Tandem Dump Truck (2)	Motor Pool			\$ 360,000					\$ 360,000
Public Works	Tractor 4X4 - Mowing	Motor Pool		\$ 45,000						\$ 45,000
Public Works	Wheel Loaders - 2	Motor Pool		\$ 775,000						\$ 775,000
Public Works	TOTAL		\$ 325,900	\$ 1,008,000	\$ 825,600	\$ 1,235,000	\$ 510,000	\$ -	\$ 761,000	\$ 4,665,500
WTP	Backwash Lagoon No. 1 Rehab	Water Fund				\$ 60,000				\$ 60,000
WTP	Altitude Valve (2)	Water Fund					\$ 30,000			\$ 30,000
WTP	Backwash Lagoon No. 2 - New Lagoon	Water Fund				\$ 60,000				\$ 60,000
WTP	Booster Station Upgrade	Water Fund, DWRF					\$ 500,000			\$ 500,000
WTP	Chlorine Distribution Tanks and Hypochlorite System	Water Fund							\$ 1,000,000	\$ 1,000,000
WTP	CO2 Distribution System Rehab	Water Fund						\$ 350,000		\$ 350,000
WTP	Confined Space Equipment	Water Fund			\$ 15,000					\$ 15,000
WTP	Effluent piping replacement	Water Fund						\$ 130,000		\$ 130,000
WTP	Effluent Prop Meter	Water Fund			\$ 10,000					\$ 10,000
WTP	Electrical Grounding	Water Fund		\$ 780,000						\$ 780,000
WTP	Equipment Storage Building	Water Fund						\$ 40,000		\$ 40,000
WTP	Filter Rehab - 1st Floor	Water Fund			\$ 1,200,000					\$ 1,200,000

PROJECTS BY CATEGORY

CATEGORY	PROJECT NAME	FUNDING SOURCE	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	TOTAL
WTP	Filter Rehab - Basement	Water Fund						\$ 500,000		\$ 500,000
WTP	Filter Valves	Water Fund						\$ 500,000		\$ 500,000
WTP	Fluoride Distribution System	Water Fund							\$ 250,000	\$ 250,000
WTP	Hintz Well Rehab	Water Fund					\$ 45,000			\$ 45,000
WTP	Induced Draft Aerator Replace	Water Fund		\$ 230,000						\$ 230,000
WTP	Juniper St Well - New	Water Fund	\$ 1,500,000							\$ 1,500,000
WTP	Lab Room Remodel	Water Fund	\$ 15,000							\$ 15,000
WTP	Lagoon Security Fence	Water Fund							\$ 60,000	\$ 60,000
WTP	Lagoon 2 and 3 Sludge Removal	Water Fund			\$ 496,000					\$ 496,000
WTP	Lagoon 1 Lime Sludge Removal	Water Fund						\$ 266,000		\$ 266,000
WTP	Lagoon 4 Lime Sludge Removal	Water Fund							\$ 664,000	\$ 664,000
WTP	Lime Sludge Mag Meter Replacement	Water Fund			\$ 10,000					\$ 10,000
WTP	Osburn Well Rehab	Water Fund	\$ 45,000				\$ 40,000			\$ 85,000
WTP	Palmer No 2 Well Rehab	Water Fund		\$ 45,000						\$ 45,000
WTP	Palmer No 3 Well Rehab	Water Fund, DWRF	\$ 525,000							\$ 525,000
WTP	Plant Reservoir Replacement	Water Fund						\$ 2,500,000		\$ 2,500,000
WTP	Portable Generator	Water Fund	\$ 55,000							\$ 55,000
WTP	River Crossing Water Main Extension	Water Fund					\$ 1,000,000			\$ 1,000,000
WTP	Roof Replacement	Water Fund							\$ 310,000	\$ 310,000
WTP	SCADA Controls Phs 1	Water Fund, DWRF	\$ 462,500	\$ 462,500	\$ 462,500	\$ 462,500				\$ 1,850,000
WTP	Vac System Hookup	Water Fund		\$ 10,000						\$ 10,000
WTP	VFD Electrical Protection	Water Fund		\$ 20,000						\$ 20,000
WTP	Well House LW1, P2, and P1	Water Fund, DWRF					\$ 290,000			\$ 290,000
WTP	West Elevated Tower Security	Water Fund, DWRF		\$ 25,000						\$ 25,000
WTP	WTP Reservoir Replacement/rehab	Water Fund							\$ 7,500,000	\$ 7,500,000
WTP	WTP River Crossing Raw Water Main Replacement	Water Fund							\$ 1,000,000	\$ 1,000,000
WTP	WTP Well Rehab (2)	Water Fund			\$ 45,000	\$ 45,000				\$ 90,000
WTP	TOTAL		\$ 2,602,500	\$ 1,572,500	\$ 2,238,500	\$ 627,500	\$ 1,905,000	\$ 4,286,000	\$ 10,784,000	\$ 24,016,000
WWTP	Administration Building Rehabilitation	Wastewater Fund				\$ 250,000				\$ 250,000
WWTP	Aux Roof Replacement	Wastewater Fund				\$ 200,000				\$ 200,000
WWTP	WWTP Retention Basin	Wastewater Fund, CWSRF						\$ 5,000,000		\$ 5,000,000
WWTP	Digester Demolition	Wastewater Fund					\$ 500,000			\$ 500,000
WWTP	Electrical/Instrumentation Rehabilitation - misc.	Wastewater Fund, CWSRF		\$ 1,000,000						\$ 1,000,000
WWTP	Main Building Roof Replacement	Wastewater Fund, Grant, CWSRF	\$ 494,728							\$ 494,728
WWTP	Nitrification Tower Replacement and Membrane System	Wastewater Fund, Grant, CWSRF		\$ 13,600,000						\$ 13,600,000
WWTP	Primary Clarifier Coating	Wastewater Fund					\$ 150,000			\$ 150,000
WWTP	Pump & Motor Replacement	Wastewater Fund		\$ 11,666	\$ 11,666	\$ 11,667	\$ 11,667	\$ 11,667	\$ 11,667	\$ 70,000
WWTP	SCADA System Install	Wastewater Fund, CWSRF		\$ 900,000			\$ 900,000			\$ 1,800,000
WWTP	Secondary Clarifier Replacement	Wastewater Fund, CWSRF			\$ 4,250,000					\$ 4,250,000
WWTP	Sludge Dryer	Wastewater Fund, Grant	\$ 488,500						\$ 5,000,000	\$ 5,488,500
WWTP	Tertiary Pump Replacement	Wastewater Fund	\$ 25,000	\$ 25,000	\$ 25,000					\$ 75,000
WWTP	West Roughing Tower Pump	Wastewater Fund		\$ 25,000						\$ 25,000
WWTP	10-yard Tandem Dump Truck Replace	Motor Pool		\$ 150,000						\$ 150,000
WWTP	TOTAL		\$ 1,008,228	\$ 15,561,666	\$ 4,286,666	\$ 461,667	\$ 1,561,667	\$ 5,011,667	\$ 5,011,667	\$ 32,903,228
TOTAL			\$ 8,341,556	\$ 25,595,964	\$ 16,028,279	\$ 10,060,942	\$ 13,753,532	\$ 38,741,233	\$ 26,039,797	\$ 147,893,018

## COMMUNITY DEVELOPMENT PROJECTS

## 1. Zoning Ordinance Update IN PROGRESS

Project Year:	2020-22	Estimated Cost:	\$40,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	High		

Description: This project would involve issuing an RFP to secure a consulting firm to handle the update of the existing zoning and sign ordinance. This would occur after the competition of the Master Plan update. The Master Plan will provide framework for the zoning ordinance update.

## 2. 900 Ada Street Demolition COMPLETE

Project Year:	2021-22	Estimated Cost:	\$20,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	Low		

Description: This project would involve hiring a contractor to test and abate any found asbestos, demolish the existing home, backfill, and plant grass.

## 3. 623 Fraser Street Demolition COMPLETED

Project Year:	2021-22	Estimated Cost:	\$18,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Acquire and demolish home that was involved in a fire. Owner did not have home insurance. Outstanding bills must be paid by owner before city acquires property.

## 4. 1122 S Cedar St Demolition COMPLETE

Project Year:	2022-23	Estimated Cost:	\$20,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Demolition subject to potential court order.

## 5. 917 S Park St Demolition COMPLETE

Project Year:	2022-23	Estimated Cost:	\$20,000
Primary Funding Source:	General Fund	Add Funding Source:	

COMMUNITY DEVELOPMENT PROJECTS

Ranking: Low

Description: Demolition subject to potential court order.

6. MSHDA NEP Grant Project

AWARDED

Project Year:	2023-24	Estimated Cost:	\$75,000
Primary Funding Source:	MSHDA NEP Grant	Add Funding Source:	
Ranking:	Low		

Description: Hire contractors with MSHDA grant funds (not yet awarded) to repaint eligible single family homes identified by the building department as having peeling paint or deteriorating siding. Replace hot water heaters and furnaces in eligible single family homes based on income level on a first come first serve basis. Project dependent upon grant award.



## HISTORICAL FACILITIES PROJECTS

## 1. Curwood Castle Interior/Exterior Stucco Repair

Project Year:	2022-23	Estimated Cost:	\$10,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	High		

Description: Repair to sections of the interior plaster that looks to have minor leaks due to condition of flashing/roof. Repair exterior stucco on chimney.

## 2. Gould House furnace Replacement (3) and Hot Water Heater Replacement (3) COMPLETE

Project Year:	2021-22	Estimated Cost:	\$20,000
Primary Funding Source:	Millage	Add Funding Source:	
Ranking:	Medium		

Description: Replace the 3 forced air furnaces in the Gould House with new efficient units. Also replace the 3 hot water heaters that serve the two apartments and the first floor museum space. They are between 10-20 years old.

## 3. Gould House Roof, Gutter, and Soffit Repair COMPLETE

Project Year:	2021-22	Estimated Cost:	\$20,000
Primary Funding Source:	Millage	Add Funding Source:	
Ranking:	High		

Description: Repair leaks in the Gould House gutters, water damaged soffit, and repair areas of roof that may need attention.

## 4. Gould House Porch Rebuild (2) COMPLETE

Project Year:	2021-22	Estimated Cost:	\$60,000
Primary Funding Source:	Millage	Add Funding Source:	
Ranking:	Medium		

Description: 2 of the 3 Gould House porches were rebuilt.

## 5. Curwood Castle Boiler Replacement

Project Year:	2024-25	Estimated Cost:	\$20,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	Med		

## HISTORICAL FACILITIES PROJECTS

Description: Replace boiler in Curwood Castle

6. Curwood Castle Exterior Lighting Improvements

Project Year:	2023-24	Estimated Cost:	\$10,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	Low		

Description: Replace the existing exterior lighting system at the Castle with a better and/or more efficient system.

7. Gould House Exterior Painting

Project Year:	2024-25	Estimated Cost:	\$15,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	Low		

Description: Paint exterior wood on Gould House.

8. Gould House Porch Rebuild

Project Year:	2024-25	Estimated Cost:	\$50,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	Medium		

Description: Rebuild the porch facing Washington Street.

9. Gould House Interior Restoration

Project Year:	2025-26	Estimated Cost:	\$35,000
Primary Funding Source:	OHC	Add Funding Source:	
Ranking:	Low		

Description: Repair plaster on the first floor to fix cracking in the ceiling and walls. Paint interior to match great room.

10. Gould House Carriage House Restoration

Project Year:	2027-28	Estimated Cost:	\$200,000
Primary Funding Source:	OHC	Add Funding Source:	Grant
Ranking:	Low		

**HISTORICAL FACILITIES PROJECTS**

Description: Rehabilitation/restore the carriage house at the Gould House. This would include a new roof, repainting, structural repair, and electricity.

## INFORMATION TECHNOLOGY PROJECTS

## 1. General IT Upgrades

Project Year:	2022-28	Estimated Cost:	\$105,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Replacement of computers, printers, etc. as needed. Scheduled replacement, replacement of worn-out and obsolete equipment. Given increases in the costs of computers, we would like to increase this, we are estimating replacements at \$15,000/year (for 7 years of the CIP).

## 2. Replace Battery Backup

Project Year:	2024-25	Estimated Cost:	\$30,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Replace worn-out, obsolete equipment and increase safety of City's emergency back-up power.

## 3. Replace Phone Handsets

Project Year:	2023-24	Estimated Cost:	\$24,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Scheduled replacement of obsolete equipment.

## 4. Replace Cisco Routers

Project Year:	2022-23	Estimated Cost:	\$40,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Needed for internet and phone system routing and for the various sites.

## 5. Firewall Replacement

COMPLETE

Project Year:	2022-23	Estimated Cost:	\$32,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	High		



## INFORMATION TECHNOLOGY PROJECTS

Description: Scheduled replacement and upgrade of obsolete cyber protection equipment and software.

6. Recharge/Refurbish Fire Suppression System in City Hall Server Room

Project Year:	2022-23	Estimated Cost:	\$16,200
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: 2020 Annual maintenance identified that the fire retardant propellant level was below recommended levels and uses a hazardous chemical that is no longer serviceable. The system is 15-20 years old. The system protects the server room and also provides smoke detection.

7. Improve Wireless Accessibility in City Hall

Project Year:	2022-23	Estimated Cost:	\$18,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Upgrade wireless systems in City Hall. Coverage is ineffective for certain parts of the building.

8. Virtual Server w/ Management

Project Year:	2022-23	Estimated Cost:	\$20,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Replace current virtual servers and consolidate existing physical servers.

9. Voice Upgrade

Project Year:	2023-24	Estimated Cost:	\$61,000
Primary funding Source:	General Fund	Add Funding Source:	
Ranking:	High		

Description: Current version of software needs to be updated (for Call Manager, for the phones). And a new server is needed. This will also solve the problem of voicemails sending to emails. The current system is no longer under warranty and is at end of life.

## INFORMATION TECHNOLOGY PROJECTS

## 10. BS&amp;A Timesheets

Project Year: 2023-24 Estimated Cost: \$15,790 (plus \$1,785/year)

Primary Funding Source: General Fund Add Funding Source:

Ranking: Medium (but Mike Dowler really wants it!)

Description: Add Timesheets to our BS&A Suite, to help alleviate Karen's need to hand key everything into payroll. Timesheets will require employees and some managers to key in their time into the system and then have approval processes.

## 11. Website Revamp

Project Year: 2023-24 Estimated Cost: \$15,000-30,000

Primary Funding Source: General Fund Add Funding Source:

Ranking: High

Description: Website is not mobile friendly and with Adobe Flash no longer being supported, we need a complete overhaul of the website.

## MAIN STREET AND DDA PROJECTS

## 1. Downtown Security Cameras

Project Year:	2024-25	Estimated Cost:	\$15,000
Primary Funding Source:	DDA	Add Funding Source:	Grant
Ranking:	High		

Description: Install (6) security cameras in the downtown district to reduce vandalism. Focus on dark alleys that have access to buildings and limited sight from the street.

## 2. Mural Project

Project Year:	2025-26	Estimated Cost:	\$37,500
Primary Funding Source:	Grant	Add Funding Source:	Donation
Ranking:	Low		

Description: Highlight Owosso's vertical trajectory with multi-media placemaking.

## 3. Light up the City

Project Year:	2023-28	Estimated Cost:	\$875,000
Primary Funding Source:	Donation	Add Funding Source:	DDA, General Fund
Ranking:	Med		

Description: Repair existing Chairman Lights as a short-term solution and replace with energy efficient, directional lighting that fits within the historical narrative.

## 4. Repair Mainstreet Plaza

Project Year:	2023-24	Estimated Cost:	\$35,000
Primary Funding Source:	DDA	Add Funding Source:	Donation
Ranking:	High		

Description: Repair heaving brick, iron fence, planters, and benches.

## PARKS AND RECREATION PROJECTS

## 1. Adams Park Pavilion

Project Year:	2023-24	Estimated Cost:	\$30,000
Primary Funding Source:	Millage	Add Funding Source:	Grant, Donation
Ranking:	Low		

Description: Build a pavilion in Adams Park

## 2. Barrier Free Landing at Oakwood Ave Bridge

Project Year:	2023-24	Estimated Cost:	\$100,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	High		

Description: Install barrier free canoe/kayak landing site at Oakwood Avenue Bridge

## 3. Harmon Patridge Park Trail Rehabilitation

Project Year:	2022-23	Estimated Cost:	\$10,000
Primary Funding Source:	Millage	Add Funding Source:	Donation
Ranking:	High		

Description: Work with the Rotary Club to replace all gravel on the walking trail

## 4. Baseball/Softball Field Light Replacement

Project Year:	2024-25	Estimated Cost:	\$250,000
Primary Funding Source:	Millage	Add Funding Source:	
Ranking:	High		

Description: Replace ball field lights at Rudy Demuth and Bennet Park

## 5. Grove Holman Parking Lot Improvements

Project Year:	2023-24	Estimated Cost:	\$60,000
Primary Funding Source:	Millage	Add Funding Source:	
Ranking:	Med		

Description: With the completion of the skate park, the parking lot needs to be repaved as it is in very poor shape



## PARKS AND RECREATION PROJECTS

## 6. Improved Connection to CIS Trail

Project Year:	2027-28	Estimated Cost:	\$3,500,000
Primary Funding Source:	Grant	Add Funding Source:	
Ranking:	High		

Description: Link the City's river trail system to the CIS trail that currently ends in Owosso Township. This is an improvement to the current route that comes in at the north end of the city. This will require an easement or maintenance agreement with the RR as the new connection would utilize about a mile of RR right of way. MDOT TAP Grant with a match from DNR Trust Fund Grant would fund the project.

## 7. Collamer Park Fishing Pier

COMPLETE

Project Year:	2024-25	Estimated Cost:	\$15,000
Primary Funding Source:	Millage	Add Funding Source:	Grant, Donation
Ranking:	Low		

## 8. Curwood/Middle School Area Boat Launch

COMPLETE

Project Year:	2022-23	Estimated Cost:	\$40,000
Primary Funding Source:	Millage	Add Funding Source:	Grant, Donation
Ranking:	High		

Description: Build a canoe/kayak launch at or near the middle school. An alternate location to improve parking availability could be behind retriever solutions just downstream. An agreement with the property would have to be executed for this alternate location and a sidewalk will have to be built to the launch at the water's edge.

## 9. Hugh Parker Equipment Storage Building

Project Year:	2024-25	Estimated Cost:	\$30,000
Primary Funding Source:	Millage	Add Funding Source:	Donation
Ranking:	Low		

Description: Build and equipment shed possibly in partnership with service groups.

## 10. Hugh Parker Field Improvements

Project Year:	2024-25	Estimated Cost:	\$40,000
Primary Funding Source:	Millage	Add Funding Source:	

## PARKS AND RECREATION PROJECTS

Ranking: Low

Description: Partner with service groups to improve bathrooms and field, establish and implement a maintenance standard for the Abrey Creek drain embankments and add permanent surface in the parking lot on Lincoln Ave

#### 11. Park Entrance Signage

Project Year:	2024-25	Estimated Cost:	\$30,000
Primary Funding Source:	General Fund	Add Funding Source:	Donation, Sponsorship
Ranking:	Medium		

Description: Replace all signage at park entrances.

#### 12. Rosevear Parking Lot

Project Year:	2025-26	Estimated Cost:	\$40,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Build a parking lot at Rosevear Park

#### 13. Rosevear to Collamer Park Connection Path

Project Year:	2025-26	Estimated Cost:	\$30,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	Low		

Description: Build a non-motorized path connecting Rosevear to Collamer Park through the industrial park

#### 14. Rudy Demuth Oakwood Parking Lot

Project Year:	2026-27	Estimated Cost:	\$20,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Eliminate Parking between ball diamonds but maintain the gated service drive

#### 15. Hopkins Lake Dock Replacement COMPLETE

Project Year:	2021-22	Estimated Cost:	\$28,000
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## PARKS AND RECREATION PROJECTS

Primary Funding Source: Parks Millage      Add Funding Source:  
Ranking: High

Description: Replace Hopkins Lake floating dock with longer/larger floating dock.

## 16. Replace Oakwood Bridge Decking

Project Year: 2022-23      Estimated Cost: \$90,000  
Primary Funding Source: Millage      Add Funding Source: General Fund  
Ranking: High

Description: Replace wooden deck on Oakwood walk-bridge.

## 17. 5-Year Parks and Rec Master Plan

COMPLETE

Project Year: 2022-2023      Estimated Cost: \$20,000  
Primary Funding Source: General Fund      Add Funding Source:  
Ranking: High

Description: The current Parks and Rec Master Plan expires in 2023. A new 5-year plan will need to be adopted in order to qualify for DNR Trust Fund grants. The Parks and Rec Master Plan outlines the city's parks and recreation assets and plans for future projects.

## PUBLIC SAFETY PROJECTS

## 1. Patrol Vehicle Replacement

Project Year:	2023-29	Projected Cost:	\$400,400
Primary Funding Source:	General Fund	Add Funding Source:	USDA Grant
Ranking:	Medium		

Description: Purchase of four vehicles every three years to replace a worn out/obsolete units. This purchase will increase safety and improvement service in the community.

## 2. Automatic External Defibrillator (AED) COMPLETE

Project Year:	2021-24	Projected Cost:	\$99,000
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Low		

Description: Purchase 3 AED machines to replace one and add two more. This purchase will increase safety and improve service in the community.

## 3. Detective Car COMPLETE

Project Year:	2021-22	Projected Cost:	\$30,000
Primary Funding Source:	General Fund	Add Funding Source:	USDA Grant
Ranking:	Low		

Description: Replace one of the unmarked detective cars.

## 4. Self-Contained Breathing Apparatus (SCBA) Tanks

Project Year:	2022-23	Projected Cost:	\$141,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	High		

Description: Purchase of 25 SCBA bottles which are scheduled for replacement.

## 5. Public Safety Building Replacement

Project Year:	2027-28	Projected Cost:	\$15,000,000
Primary Funding Source:	General Fund	Add Funding Source:	Grant, Bond
Ranking:	Medium		

## PUBLIC SAFETY PROJECTS

Description: Demolish and replace existing Public Safety building with a more energy efficient building per the needs assessment of the current building that was completed in the 2017-2018 budget year.

6. Ambulance Replacement COMPLETE

Project Year:	2022-23	Projected Cost:	\$214,000
Primary Funding Source:	General Fund	Add Funding Source:	USDA Grant
Ranking:	Medium		

Description: Scheduled replacement of existing unit nearing the end of its useful service life. Ambulances can last 7-10 years.

7. Body Cameras IN PROCESS

Project Year:	2022-23	Projected Cost:	\$83,000
Primary Funding Source:	General Fund	Add Funding Source:	RAP Grant
Ranking:	High		

Description: The city now has the server capacity to handle information from body cameras. This will increase service to the community and better protect the city's liability for police incidents.

8. Fire Department Radios COMPLETE

Project Year:	2022-23	Projected Cost:	\$20,700
Primary Funding Source:	General Fund	Add Funding Source:	Grant
Ranking:	Medium		

Description: Replace 4 radio units that are nearing the end of their service life.

9. Lucas Device (automatic chest compression)

Project Year:	2022-23	Projected Cost:	\$17,500
Primary Funding Source:	General Fund	Add Funding Source:	
Ranking:	Medium		

Description: Purchase 1 device to supplement the single Lucas Device utilized by EMS. This will increase service to the community as our single unit has proved very useful in saving lives.

10. Vehicle for MAGNET Officer Complete

Project Year:	2022-23	Projected Cost:	\$35,000
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## PUBLIC SAFETY PROJECTS

Primary Funding Source: General Fund  
Ranking: Medium

Add Funding Source:

Description: In Jan 2022, the city was informed that the Michigan State Police will no longer provide a vehicle for our officer assigned to MAGNET. A lease agreement with Hertz is possible that could be funded by a grant to the MSP for this purpose. This vehicle purchase is a backup plan should that grant not materialize.

#### 11. Fire Truck Replacement

Project Year: 2023-24  
Primary Funding Source: General Fund  
Ranking: Low

Projected Cost: \$619,000  
Add Funding Source: Grant

Description: Replace Engine #1. This truck is a 1997 so it is over the NFPA recommended replacement schedule of 15 years for these types of fire trucks. Regular maintenance will only increase in cost and frequency. The price of these units is predicted to increase 10% in by spring of 2023.



## PUBLIC SERVICE PROJECTS

## 1. Chipman Street Reconstruction &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year	2025-2027	Projected Cost:	\$873,000
Primary Funding Source:	Act 51, SAD, Water	Add Funding Source:	MDOT Grant

Description: From Main Street to Beehler Street. City/MDOT project for .17 mile road reconstruction along with HMA pavement, curb and gutter, ADA sidewalks, storm sewer, permanent signing, pavement markings, and water main replacement; altogether with related work items plus engineering fee.

## 2. Division Street Rehabilitation ON HOLD PENDING FUNDING

Project Year:	2023-25	Projected Cost:	\$292,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	

Description: From Harper Street to Ridge Street. City project for .15 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 3. Lee Street Rehabilitation &amp; Water Main Replacement

Project Year:	2022-24	Projected Cost:	\$264,000
Primary Funding Source:	Act 51, SAD, DWSRF	Add Funding Source:	Water

Description: From Clark Street to Ada Street. City project for 0.07 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, sidewalk replacement, ADA sidewalk ramps, storm sewer replacement, and water main and service line replacement; altogether with related work items plus engineering fee.

## 4. North Street Rehabilitation &amp; Water Main Replacement

Project Year:	2022-24	Projected Cost:	\$1,865,600
Primary Funding Source:	Act 51, SAD, DWSRF	Add Funding Source:	Water

Description: From Shiawassee Street to Hickory Street. City project for .49 mile road rehabilitation, isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main and service line replacements; altogether with related work items plus engineering fee.

## PUBLIC SERVICE PROJECTS

## 5. Chip Seal Program

Project Year:	2023-29	Projected Cost:	\$1,200,000
Primary Funding Source:	Act 51	Add Funding Source:	

Description: General maintenance operation for existing asphalt road pavement surfaces. Chip seal is a proven low-budget method for prolonging pavement life and delaying higher cost pavement treatments. City staff will prioritize work sites and develop annual project lists for the six-year period.

## 6. Water Service Line Replacement Project

Project Year:	2023-29	Projected Cost:	\$8,100,000
Primary Funding Source:	Water	Add Funding Source:	DWSRF

Description: Replacement of non-compliant water service lines throughout the city as required by EGLE.

## 7. Sidewalk Replacement Program

Project Year:	2023-29	Projected Cost:	\$900,000
Primary Funding Source:	Act 51	Add Funding Source:	

Description: Replace misaligned, deteriorated, or damaged sections of sidewalk in the city. Construct sidewalks so they are ADA compliant.

## 8. Storm Sewer Lining

Project Year:	2023-29	Projected Cost:	\$900,000
Primary Funding Source:	Act 51	Add Funding Source:	

Description: Various locations in conjunction with road projects. Best practice method is to evaluate existing storm sewer during a project's design phase. Best construction choice is made, either open-cut or lining. Those sewers recommended for lining should be bundled and done on a two year rotation cycle. Sewer lining is a more economical and less intrusive method for prolonging life expectancy of a sewer versus open-cut method.

## 9. Street Patch Program

## PUBLIC SERVICE PROJECTS

Project Year: 2023-29 Projected Cost: \$600,000  
Primary Funding Source: Act 51, Water, Sewer Add Funding Source:

Description: Remove patches that were cold patched over the winter and replace with hot mix asphalt. These patches are caused by water main breaks, sewer repairs, catch basin repairs, etc.

## 10. Carmody Street Resurfacing

ON HOLD PENDING FUNDING

Project Year: 2024-25 Projected Cost: \$58,500  
Primary Funding Source: Bond, SAD Add Funding Source:

Description: From Main Street to Cleveland Avenue. City project for .13 mile road resurfacing (crush, stabilize, cap); altogether with related work items plus engineering fee.

## 11. Center Street Resurfacing – King to Alturas

Project Year: 2023-24 Projected Cost: \$255,000  
Primary Funding Source: Act 51, SAD Add Funding Source:

Description: From King Street to 132 feet north of Alturas Drive. City project for .26 mile of road resurfacing (crush, stabilize, cap); altogether with related work items plus engineering fee.

## 12. Center Street Rehabilitation – Alturas to North

Project Year: 2023-24 Projected Cost: \$255,000  
Primary Funding Source: Act 51, SAD Add Funding Source:

Description: From 132 feet north of Alturas Drive to North Street. City project for .26 mile road rehabilitation (pavement replacement), and isolated curb and gutter replacement; altogether with related work items plus engineering fee.

## 13. Clyde Street Resurfacing

ON HOLD PENDING FUNDING

Project Year: 2024-25 Projected Cost: \$130,000  
Primary Funding Source: Act 51, SAD Add Funding Source: Bond

## PUBLIC SERVICE PROJECTS

Description: From Walnut Street to Shiawassee Street. City project for .13 mile road resurfacing (crush, stabilize, cap); altogether with related work items plus engineering fee.

## 14. Howell Street Resurfacing

ON HOLD PENDING FUNDING

Project Year: 2024-25  
Primary Funding Source: Act 51, SAD

Projected Cost: \$103,000  
Add Funding Source: Bond

Description: From south end of street to Clinton Street. City project for .07 mile road resurfacing (crush, stabilize, cap); altogether with related work items plus engineering fee.

## 15. Jerome Street Resurfacing &amp; Water Service Line Replacement

Project Year: 2025-27  
Primary Funding Source: Act 51, SAD, Water

Projected Cost: \$481,000  
Add Funding Source:

Description: From Hickory Street to Oakwood Street. City project for .37 mile road resurfacing (crush, stabilize, cap) and water service line replacement; altogether with related work items plus engineering fee.

## 16. Lynn Street Resurfacing

ON HOLD PENDING FUNDING

Project Year: 2024-25  
Primary Funding Source: Act 51, SAD

Projected Cost: \$48,000  
Add Funding Source: Bond

Description: From west end of street to Howell Street. City project for .06 mile road resurfacing (crush, stabilize, cap); altogether with related work items plus engineering fee.

## 17. Sanitary Sewer Interceptor

Project Year: 2027-28  
Primary Funding Source: Wastewater

Projected Cost: \$3,600,000  
Add Funding Source: CWSRF

Description: Televise, inspect, clean, and line 27-inch sewer main along Shiawassee River.

## 18. 2023 Water Main Replacement

## PUBLIC SERVICE PROJECTS

Project Year:	2023-24	Projected Cost:	\$772,700
Primary Funding Source:	DWSRF	Add Funding Source:	Water

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineer fee:

Clyde – Walnut to Shiawassee  
Lynn – Howell to west end  
Milwaukee - S. Lyon to S. Cedar  
Huron - Huggins to E. End

## 19. Exchange Street Rehabilitation

ON HOLD PENDING FUNDING

Project Year:	2024-26	Projected Cost:	\$420,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	

Description: From Saginaw Street to Dewey Street. City project for .27 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 20. Shady Lane Rehabilitation &amp; Water Main Replacement

ON HOLD PENDING FUNDING

Project Year:	2024-26	Projected Cost:	\$726,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Meadow Drive to Chipman Street. City project for .22 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 21. Stewart Street Rehabilitation &amp; Water Main Replacement

Project Year:	2023-25	Projected Cost:	\$1,555,400
Primary Funding Source:	Act 51, SAD, Water	Add Funding Source:	Grant, DWSRF

Description: From Shiawassee Street to Washington Street. City/MDOT project for .31 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, water main and service line replacement; altogether with related work items plus engineering fee.

## PUBLIC SERVICE PROJECTS

## 22. Woodlawn Avenue Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year:	2024-26	Projected Cost:	\$478,500
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Farr Avenue to Auburndale Avenue. City project for .16 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 23. Woodlawn Avenue Rehabilitation ON HOLD PENDING FUNDING

Project Year:	2024-26	Projected Cost:	\$162,800
Primary Funding Source:	Bond, SAD	Add Funding Source:	

Description: From Monroe St to Corunna Ave. City project for .10 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 24. Sanitary Sewer Rehab – Open Cut Replacement

Project Year:	2024-29	Projected Cost:	\$2,400,000
Primary Funding Source:	Sewer	Add Funding Source:	

Description: Replacement of sanitary sewer main and manholes which are not able to be lined due to severe deterioration.

## 25. 2024 Water Main Replacement

Project Year:	2024-25	Projected Cost:	\$2,916,250
Primary Funding Source:	Water	Add Funding Source:	DWSRF

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineering fee.

Tracy - Frederick to Stewart  
Dewey - Brandon to Moore  
Grace - Cedar to Shiawassee  
Young - Chestnut to Brooks  
Nafus - south end to Frederick

## PUBLIC SERVICE PROJECTS

Gilbert - Mason to Oliver  
Olmstead - Ward to Chipman  
Harding - Willow Springs to Hanover  
Hanover - Harding to Riverside  
Stewart - Cedar to Shiawassee  
Williams - Shiawassee to Washington

## 26. Cedar Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year:	2025-27	Projected Cost:	\$2,100,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Hampton Street to Main Street. City project for .75 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 27. Chipman Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year:	2025-27	Projected Cost:	\$955,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Harding Avenue to North Street. City project for .32 mile road rehabilitation, isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 28. Mason Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year:	2025-27	Projected Cost:	\$1,082,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Park Street to Dewey Street. City project for .33 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; water main replacement from Saginaw to Dewey; altogether with related work items plus engineering fee.

## 29. Sanitary Sewer River Crossing west of M-52

Project Year:	2027-29	Projected Cost:	\$1,500,000
Primary Funding Source:	Wastewater	Add Funding Source:	



## PUBLIC SERVICE PROJECTS

Description: Replace the sanitary sewer river crossing west of M-52 with a mechanical system.

## 30. 2025 Water Main Replacement

Project Year: 2025-26

Projected Cost: \$1,056,562

Primary Funding Source: Water

Add Funding Source: DWSRF

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineer fee:

Genesee – Michigan to Green

Adams - Oliver to King

Adams - Elizabeth to N. of Jennett

Brandon – Hickory to Summit

Dingwall - Brandon to N. End

## 31. Clinton Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2023-2025

Projected Cost: \$790,000

Primary Funding Source: Bond, SAD

Add Funding Source: Water, DWSRF

Description: From Cedar Street to Shiawassee Street. City project for .24 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 32. Ball Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2026-28

Projected Cost: \$1,223,000

Primary Funding Source: Bond, SAD

Add Funding Source: Water, DWSRF

Description: From Exchange Street to King Street. City project for .43 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; water main replacement from Exchange to Mason and from Oliver to 450' north of Oliver; altogether with related work items plus engineering fee.

## 33. Broadway Avenue Rehabilitation

ON HOLD PENDING FUNDING

## PUBLIC SERVICE PROJECTS

Project Year: 2026-28 Projected Cost: \$356,000  
Primary Funding Source: Bond, SAD Add Funding Source:

Description: From Auburndale Avenue to Monroe Street. City project for .17 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 34. Monroe Street Rehabilitation &amp; Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2025-27 Projected Cost: \$1,069,000  
Primary Funding Source: Bond, SAD Add Funding Source: Water, DWSRF

Description: From Washington Street to Broadway Street. City project for .39 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 35. 2026 Water Main Replacement

Project Year: 2026-27 Projected Cost: \$2,923,300  
Primary Funding Source: Water Add Funding Source: DWSRF

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineer fee:

Gould - Exchange to North  
Jennett - M-52 to Adams  
Oak - M-21 to Williams  
Williams - Washington to Dewey

## 36. Ada Street Rehabilitation ON HOLD PENDING FUNDING

Project Year: 2027-29 Projected Cost: \$232,000  
Primary Funding Source: Bond, SAD Add Funding Source:

Description: From Jennett St to Campbell Dr. City project for .11 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## PUBLIC SERVICE PROJECTS

## 37. Campbell Drive Rehabilitation

ON HOLD PENDING FUNDING

Project Year: 2027-29  
Primary Funding Source: Bond, SAD

Projected Cost: \$403,000  
Add Funding Source:

Description: From Ada St to Ada St. City project for .17 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 38. Comstock Street Rehabilitation

ON HOLD PENDING FUNDING

Project Year: 2027-29  
Primary Funding Source: Bond, SAD

Projected Cost: \$1,153,000  
Add Funding Source:

Description: From Park St to Gould St. City project for .59 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 39. Gould Street Rehabilitation

ON HOLD PENDING FUNDING

Project Year: 2027-29  
Primary Funding Source: Bond, SAD

Projected Cost: \$490,000  
Add Funding Source:

Description: From Moore Street to North Street. City project for .24 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items plus engineering fee.

## 40. Huntington Drive Rehabilitation &amp; Water Main Replacement

ON HOLD PENDING FUNDING

Project Year: 2027-29  
Primary Funding Source: Bond, SAD

Projected Cost: \$461,000  
Add Funding Source: Water, DWSRF

Description: From Moore Street to Stevens Street. City project for .15 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

## 41. King Street Rehabilitation &amp; Water Main Replacement

ON HOLD PENDING FUNDING

## PUBLIC SERVICE PROJECTS

Project Year:	2027-29	Projected Cost:	\$1,290,000
Primary Funding Source:	Bond, SAD, Water	Add Funding Source:	Grant, DWSRF

Description: From Seventh Street to Shiawassee Street. City/MDOT project for .41 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

42. Martin Street Rehabilitation & Water Main Replacement      ON HOLD PENDING FUNDING

Project Year:	2027-29	Projected Cost:	\$754,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Stewart Street to Milwaukee Street. City project for .27 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

43. Water Street Rehabilitation & Water Main Replacement      ON HOLD PENDING FUNDING

Project Year:	2027-29	Projected Cost:	\$491,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water, DWSRF

Description: From Oliver Street to King Street. City project for .21 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

44. Dewey Street Rehabilitation & Water Main Replacement      ON HOLD PENDING FUNDING

Project Year:	2028-29	Projected Cost:	\$2,199,000
Primary Funding Source:	Bond, SAD, Sewer	Add Funding Source:	Water, DWSRF

Description: From Comstock Street to King Street. City project for .57 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, sanitary sewer, and water main replacement; altogether with related work items plus engineering fee.

45. Elm Street Reconstruction & Water Main Replacement      ON HOLD PENDING FUNDING

Project Year:	2028-29	Projected Cost:	\$496,000
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## PUBLIC SERVICE PROJECTS

Primary Funding Source: Bond, SAD

Add Funding Source: Water, DWSRF

Description: From Main Street to River Street. City project for .13 mile road reconstruction along with new curb and gutter, ADA sidewalk ramps, storm sewer, and water main replacement from Main to Bradley; altogether with related work items plus engineering fee.

46. 2027 Water Main Replacement

Project Year: 2027-28

Projected Cost: \$602,650

Primary Funding Source: Water

Add Funding Source: DWSRF

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineer fee:

Washington – Stratford to North

Wiltshire – Huntington to Moore

47. Safe Routes to School Project

Project Year: 2023-25

Projected Cost: \$700,000

Primary Funding Source: Grant

Add Funding Source: Act 51

Description: Constructing ADA compliant sidewalk ramps at various locations within the city along with constructing new sidewalks primarily in the Middle School area

48. 2028 Water Main Replacement

Project Year: 2028-29

Projected Cost: \$1,072,500

Primary Funding Source: Water

Add Funding Source: DWSRF

Description: Water main and service line replacement along the following streets; altogether with related work items plus engineer fee:

Ada – Oliver to Lee

Curwood – Oliver to Woodhall

Woodhall – Curwood to Oliver

Fifth – Oliver to King

First – Oliver to King

49. Water Service Line Replacement

## PUBLIC SERVICE PROJECTS

Project Year:	2023-29	Projected Cost:	\$8,100,000
Primary Funding Source:	Water Fund	Add Funding Source:	DWRF, Grant

Description: Replace lead and galvanized water service lines.

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**Completed Projects**

## 50. Cedar Street Rehabilitation &amp; Water Main Replacement – Phase 1 COMPLETED 2020

Project Year:	2019-21	Projected Cost:	\$771,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water

Description: From South Street to Hampton Street. City project for .25 mile road rehabilitation (pavement replacement), water main, isolated curb and gutter replacement, ADA sidewalks, and storm sewer; altogether with related work items plus engineering fee.

## 51. Sewer Rehab (Street Construction) COMPLETED 2020

Project Year:	2020-21	Projected Cost:	\$1,400,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Repair of sanitary sewer main and manholes, with some replacements (minimal), as identified during condition assessments performed 2017 during SAW Grant project initiatives.

## 52. 2020 Water Main Replacement COMPLETED 2020

Project Year:	2020-21	Projected Cost:	\$1,716,800
Primary Funding Source:	Water, DWSRF	Add Funding Source:	

## Description:

Cleveland - Chestnut to Brooks

Lafayette - M-21 to Cleveland

Robbins - Mack to S. End (DPW Project)

Morris - Mack to N. End (DPW Project)

## 53. North Street Rehabilitation &amp; Water Main Replacement (Hickory to Gould) COMPLETED 2020

## PUBLIC SERVICE PROJECTS

Project Year:	2020-21	Projected Cost:	\$1,899,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Water

Description: From Hickory Street to Gould Street. City project for .47 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, storm sewer, and water main replacement; altogether with related work items plus engineering fee.

54. Gould Street Rehabilitation (Oliver to Moore) COMPLETED 2021

Project Year:	2021-22	Projected Cost:	\$780,000
Primary Funding Source:	Bond, SAD	Add Funding Source:	Grant

Description: From Oliver Street to Moore Street. City project for .50 mile road rehabilitation (pavement replacement), isolated curb and gutter replacement, ADA sidewalk ramps, and storm sewer; altogether with related work items.

55. Retaining Wall Replacement at City Hall COMPLETED 2021

Project Year:	2021-2022	Projected Cost:	\$210,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Restore and reconstruct collapsed retaining wall between the Shiawassee River and City hall. Replace sidewalk, handrails, and lighting within project area.

56. 2021 Water Main Replacement COMPLETED 2021

Project Year:	2021-22	Projected Cost:	\$90,000
Primary Funding Source:	Water	Add Funding Source:	

Description:  
Water main and service line replacement along Maple Avenue from Corunna Avenue to north end. Work to be completed by DPW crews.

57. 2021 Chip Seal Contract #1 COMPLETED 2021

Project Year:	2020-21	Projected Cost:	\$147,000
Primary Funding Source:	Act 51	Add Funding Source:	

- Auburndale from Broadway to Alger



## PUBLIC SERVICE PROJECTS

- Carr from South to Herman
- George from South to Herman
- Glenwood from Farr to Monroe
- Herman from Carr to Kenwood
- Hiram from George to Chipman
- Nelson from South to Herman
- South from Chipman to Shiawassee
- Washington from city limits to Gute
- Woodlawn from sound end to Farr

## 58. 2021 Chip Seal Contract #2

COMPLETED 2021

Project Year: 2021-22  
Primary Funding Source: Act 51

Projected Cost: \$151,000  
Add Funding Source:

- Adams from King to Elizabeth
- Alta Vista from Center to Shady Lane
- Alturas from Center to Shady Lane
- Chestnut from Stewart to Main
- Chipman Lane from Chipman to east end
- Corlett from south end to Marion
- Jennett from Adams to Washington
- Mack from Robbins to Chipman
- Marion from Chipman to Hanover
- Morris from Mack to north end
- North St over Corlett Creek
- Orchard from Marion to north end

## 59. 2021 Crush and Shape Project

COMPLETED 2021

Project Year: 2021-22  
Primary Funding Source: Bond, SAD

Projected Cost: \$700,000  
Add Funding Source: Act 51

Description: Crush and shape the local streets listed. These streets do not have curb and gutter and will be restored to that layout. By concentrating on these types of streets, the remaining bond funds will be stretched as far as possible (i.e. more miles completed compared to complete reconstructions elsewhere).

- Glenwood from south end to Farr
- Garfield from sound end to Corunna
- Pearce from South to Francis
- Lincoln from Farr to Monroe

## PUBLIC SERVICE PROJECTS

- McMillan from south end to Industrial
- Park from Harper to Ridge

## 60. Maple Avenue Reconstruction

COMPLETED 2022

Project Year: 2021-22  
Primary Funding Source: Water

Projected Cost: \$90,000  
Add Funding Source:

Description: From Corunna Avenue to north end. City project for .07 mile road reconstruction included curb and gutter replacement, ADA sidewalk ramps, sidewalk reconstruction and storm sewer replacement; altogether with related work items.

## 61. 2022 Water Main Replacement (Center Street)

COMPLETED 2022

Project Year: 2021-23  
Primary Funding Source: DWSRF

Projected Cost: \$850,000  
Add Funding Source: Water

Description: Water main and service line replacement along Center Street from King St to North St; altogether with related items plus engineering fee.

## 62. 2022 Chip Seal Contract #1

COMPLETED 2022

Project Year: 2022-23  
Primary Funding Source: Act 51

Projected Cost: \$90,000  
Add Funding Source:

- Jackson from south end to north end
- Moore from Gould to Jackson
- Beech from south end to Jackson
- Juniper from south end to Jackson
- Bluestem from south end to Jackson
- Holly from south end to Jackson
- North from Gould to Mallard Circle
- Avon from Krust to Huntington
- Gellatly from Dewey to Dewey

## PUBLIC WORKS PROJECTS

## 1. Security and Accessibility Technology for City Hall PARTIALLY COMPLETE

Project Year:	2023-24	Projected Cost:	\$15,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Place two (2) panic buttons in lobby of City Hall, and on all employees' computers. Add an ADA accessible entrance to the lower floor of City Hall which would include ADA push buttons for the doors.

## 2. Tandem Dump Truck (1) IN PROCESS

Project Year:	2022-23	Projected Cost:	\$205,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units. Tandem with a big wing plow.

## 3. Pickups 4x2 (2) IN PROCESS

Project Year:	2022-23	Projected Cost:	\$65,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units.

## 4. Administrative Cars (2) IN PROCESS

Project Year:	2022-24	Projected Cost:	\$51,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Purchase 2 new vehicles to replace the current (2) Chevy Impala models.

## 5. Custom Built 9' Chipper Cap

Project Year:	2023-24	Projected Cost:	\$12,500
Primary Funding Source:	Motor Pool	Add Funding Source:	

## PUBLIC WORKS PROJECTS

Description: Purchase custom Built 9' Chipper Cap for Dump Box on Truck #419 in order to utilize the truck for tree maintenance wood chip collection.

## 6. Barricades

Project Year:	2023-24	Projected Cost:	\$15,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Purchase new barricades, A-Frames, cones, etc. Required safety equipment with reflective tape to meet standards. Needed for health and safety of employees and public. Will also be needed for Special Event TCO.

## 7. Repair City Hall Front Steps

Project Year:	2023-24	Projected Cost:	\$100,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Rehab of front steps to correct misalignments, control separations, to extend usefulness and enhance aesthetics and insure safe ingress and egress to the building. Also need to address underground storage room, which the steps sit on.

## 8. 4x4 Tractor – Mowing

Project Year:	2023-24	Projected Cost:	\$45,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing unit.

## 9. Pole Barn Insulation

Project Year:	2023-24	Projected Cost:	\$10,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Adding more insulation to existing structure of gray barn.

## 10. Wheel Loader (2)

## PUBLIC WORKS PROJECTS

Project Year:	2023-24	Projected Cost:	\$775,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units. 624p model

11. Repair/Replace City Hall 2<sup>nd</sup> Floor Large Window and water street entrance door

Project Year:	2023-24	Projected Cost:	\$25,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Rehab of wall/framing/support to correct misalignments, control separations, to extend usefulness while enhancing aesthetics and repair/replace window on the building. Water Street door is delaminating and needs replacement.

12. Replace City Hall HVAC

Project Year:	2024-25	Projected Cost:	\$130,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Replace HVAC servicing Entire City Hall building: Unit above Engineering, small unit West side of Treasury/Clerks, large on roof of City Hall, and basement unit.

13. Tandem Dump (2)

Project Year:	2024-25	Projected Cost:	\$360,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units. Tandems with under body scrapers.

14. 1/2 Ton Pickup

Project Year:	2024-25	Projected Cost:	\$35,000
Primary Funding Source:	Motor Pool	Add Funding Source:	

Description: Scheduled replacement of existing unit.

15. Purchase ¾ Pickups (2)

## PUBLIC WORKS PROJECTS

Project Year: 2024-25                      Projected Cost: \$75,000  
Primary Funding Source: Motor Pool                      Add Funding Source: Grant

Description: Scheduled replacement of existing units.

## 16. Skid Steer w/ Attachments

Project Year: 2024-25                      Projected Cost: \$125,000  
Primary Funding source: Motor Pool                      Add Funding Source: Grant

Description: Scheduled replacement of existing unit. Skid steer with: Snow Box, Std Bucket, Forks, Post Hole Digger attachments.

## 17. Sewer Vactor Truck

Project Year: 2025-26                      Projected Cost: \$750,000  
Primary Funding Source: Motor Pool                      Add Funding Source: Grant

Description: Scheduled replacement of existing unit. Double axel, 1,500 fresh water, 10 yd debris box, with hot water, and look at using air.

## 18. Public Works Building Improvements

Project Year: 2026-27                      Projected Cost: \$75,000  
Primary Funding Source: General Fund                      Add Funding Source:

Description: Replacement of insulated overhead doors in main building. Priority - High. Re-roof main building with steel sheeting, facility upgrades (such as: cement floor, insulate, heater with gas line). Priority - Medium. Added storage facilitates (such as: added lean-to, added doors). Priority - Low.

## 19. John Deere Mower Blower

Project Year: 2025-26                      Projected Cost: \$50,000  
Primary Funding Source: Motor Pool                      Add Funding Source: Grant

Description: Purchase a snow blowing machine to improve snow removal services.

## PUBLIC WORKS PROJECTS

## 20. Replace Library Heating Pipes

Project Year:	2025-26	Projected Cost:	\$75,000
Primary Funding Source:	General Fund	Add Funding Source:	Library

Description: Replace all boiler heating pipes throughout the building. Existing pipes are developing leaks at a higher rate every year. Patching is needed quite often.

## 21. Street Sweeper

Project Year:	2025-26	Projected Cost:	\$300,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of the City's one Elgin sweeper.

## 22. Purchase Leaf Truck

Project Year:	2026-27	Projected Cost:	\$350,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Purchase a rear loader refuse truck to improve annual leaf pickup service.

## 23. Purchase ¾ Pickups (2)

Project Year:	2026-27	Projected Cost:	\$85,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units.

## 24. Purchase ¾ Pickups (2)

Project Year:	2028-29	Projected Cost:	\$100,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: Scheduled replacement of existing units.

## PUBLIC WORKS PROJECTS

## 25. Repair City Hall Basement Storage Room-West

Project Year:	2028-29	Projected Cost:	\$75,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Rehab of West side underground storage room. This supports the HVAC on the West side of City Hall. Correct supports, fix leaks, repair cement. This is a required maintenance for supporting HVAC utilities for City Hall, but also extend usefulness of storage room.

## 26. Replace City Hall Generator

Project Year:	2028-29	Projected Cost:	\$50,000
Primary Funding Source:	General Fund	Add Funding Source:	

Description: Replace City Hall's automatic on demand generator.

## 27. Heavy Service Truck

Project Year:	2028-29	Projected Cost:	\$561,000
Primary Funding Source:	Motor Pool	Add Funding Source:	Grant

Description: New piece of equipment for water utility service work. Everything needed for water main break, tap, and pot holing. Including: side discharge out of side box with air compressor, valve turner, water tank, and vacuor system.

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**COMPLETED/CANCELLED**28. Purchase 72" John Deere Mower COMPLETED

Project Year:	2020-21	Projected Cost:	\$24,917
Primary Funding Source:	Motor Pool	Add Funding Source:	

Description: Purchase 72" front-deck John Deere mower to replace the current unit that has reached the end of its useful life.



## PUBLIC WORKS PROJECTS

## 29. Single Axle 5-yard Dump Truck

COMPLETED

Project Year: 2020-21  
Primary Funding Source: Motor Pool

Projected Cost: \$100,750  
Add Funding Source:

Description: Scheduled replacement of existing unit

## 30. Tandem Axle 10-yard Dump Truck

COMPLETED

Project Year: 2020-21  
Primary Funding Source: Motor Pool

Projected Cost: \$152,000  
Add Funding Source:

Description: Scheduled replacement of existing unit

## 31. Chipper Body (Mount on Hook Lift Chassis)

COMPLETED

Project Year: 2020-2021  
Primary Funding Source: Motor Pool

Projected Cost: \$10,055  
Add Funding Source: None

## 32. WACHS Valve Turner

COMPLETED

Project Year: 2020-2021  
Primary Funding Source: Water Fund

Projected Cost: \$32,095  
Add Funding Source: None

## 33. Replace Carpet in Finance Wing of City Hall

COMPLETED

Project Year: 2021-22  
Primary Funding Source: General Fund

Projected Cost: \$10,000  
Add Funding Source:

Description: Replace carpet in 2<sup>nd</sup> floor east wing of City Hall.

## 34. Replace Library Air Conditioners

COMPLETED

Project Year: 2021-22  
Primary Funding Source: General Fund

Projected Cost: \$50,000  
Add Funding Source:

## PUBLIC WORKS PROJECTS

Description: Replace two 40 year old air conditioning units. Engineer and design system for efficiently cooling the building.

## 35. Bucket Truck/Aerial Lift Purchase

COMPLETED

Project Year: 2021-22

Projected Cost: \$210,000

Primary Funding Source: Motor Pool

Add Funding Source:

Description: Scheduled replacement of one of the two existing units.

## 36. Hook Lift Bodies

CANCELLED

Project Year: 2020-21

Projected Cost: \$17,000

Primary Funding Source: Motor Pool

Add Funding Source:

Description: Purchase of 2 hook lifts – chipper box and flat bed.

## WATER TREATMENT PROJECTS

## 1. SCADA Controls - Phase I IN PROCESS

Project Year:	2022-25	Projected Cost:	\$1,850,000
Primary Funding Source:	DWSRF Loan	Add Funding Source:	Water

SCADA Controls – ENG	Project Cost	\$350,000
SCADA Controls – Construction	Project Cost	\$1,500,000

Description: Existing hardware and software is outdated. Upgrades should have been completed before 2014. This proposal will include automation of distribution controls allowing for future unattended WTP operations during third shifts. All projected costs include engineering, material, installation construction, and contingency of \$10,250 for each phase. Per comments in the 2021 Sanitary Survey

## 2. Palmer No. 3A Well IN PROCESS

Project Year:	2021-23	Projected Cost:	\$1,050,000
Primary Funding Source:	DWSRF	Add Funding Source:	Water

Description: This well development at the Palmer 3 site is currently active. Well drilling and testing to be completed by 12/27/21. Submittal to EGLE for Well Permit by 1/2022. 6 month Permitting process with EGLE. 7/22 to 9/22 Engineering design and permitting. Bidding and Construction 11/22 to 9/23. Project to include prefab building, security fencing protecting both Palmer Wells.

## 3. Juniper Street Well – New Well Construction (Osburn Lakes Development Area) IN PROCESS

Project Year:	2022-23	Projected Cost:	\$1,500,000
Primary Funding Source:	DWSRF	Add Funding Source:	Water

Description: This well development at the Juniper site is currently active. Well drilling and testing to be completed by 1/24/22. Submittal to EGLE for Well Permit by 2/2022. 6 month Permitting process with EGLE. 8/22 to 10/22 Engineering design and permitting. Bidding and Construction 12/22 to 10/23. Project to include prefab building, access roads, raw water main extensions to Hintz Road with a service road and security fencing protecting Juniper Well.

## 4. WTP Osburn Well Rehab

Project Year:	2022-23	Projected Cost:	\$45,000
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## WATER TREATMENT PROJECTS

Primary Funding Source: Water

Add Funding Source: None

Description: Project to include well inspection and rehab. Include Silo door replacement, fence repair with brush and tree clearing around fence.

## 5. WTP Lab/Control Rm. Interior Repairs

IN PROCESS

Project Year: 2022-23

Projected Cost: \$15,000

Primary Funding Source: Water

Add Funding Source: None

Description: Project Repair – Roof leaks, wall, ceiling tiles and flooring

## 6. WTP Palmer 2 Rehab

Project Year: 2023-24

Projected Cost: \$45,000

Primary Funding Source: Water

Add Funding Source: None

Description: Project to include combined prefab building use with Palmer 3 to save costs, Probable Well Rehab based on inspection and removal, with likely future offset or submersible well replacement and building abandonment.

## 7. Induced Draft Aerator Replace

Project Year: 2023-24

Projected Cost: \$230,000

Primary Funding Source: Water

Add Funding Source:

Description: Replacement of existing worn out equipment and explanation of service life. Per comments in the 2021 Sanitary Survey, WTP Plant Study.

## 8. West Elevated Tower Security

Project Year: 2023-24

Projected Cost: \$25,000

Primary Funding Source: Water

Add Funding Source:

Description: Must include a security fence and gate.

## WATER TREATMENT PROJECTS

## 9. Electrical Grounding

Project Year:	2023-24	Projected Cost:	\$780,000
Primary Funding Source:	Water	Add Funding Source:	

Description: Electrical Grounding Improvements and Improvements to Meet Code Requirements  
Replace double ended switchboard. Replace pole-mounted gang-operated primary switch on south service. Upgrade pole-mounted transformers and building services to 480-volt, 3-phase, 4-wire (grounded services). Modify grounding electrode system to be compliant with NEC requirements. Modify feeder and branch circuits to include equipment grounding conductors. Add surge protects devices to panels.

## 10. VFD Electrical Protection

Project Year:	2023-24	Projected Cost:	\$20,000
Primary Funding Source:	Water	Add Funding Source:	

Description: OHM is currently engineering an electrical protection components system to isolate and protect the backwash VFD's from repeated damage. PO has been cut for OHM to provide engineering and bid documents for the work to be completed.

## 11. New Vac System Hookup

Project Year:	2023-24	Projected Cost:	\$10,000
Primary Funding Source:	Water	Add Funding Source:	

Description: New Vacuum System was received 01/23 and will be installed in the HS pump room. Electrical and controls wiring conduit contracted. In-house installation, mounting and plumbing

## 12. WTP Filter Rehab (first floor only)

Project Year:	2024-25	Projected Cost:	\$1,200,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Project Per comments in the 2021 Sanitary Survey. Media, Drain Beds, Wall/Paint, Air Scour

## WATER TREATMENT PROJECTS

## 13. Plant Effluent Prop Meter

Project Year:	2024-25	Projected Cost:	\$10,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Scheduled replacement with new in stock, calibration of old, SCADA programming.

## 14. Confined Space Equipment

Project Year:	2024-25	Projected Cost:	\$15,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Increase safety equipment available in filtration plant. Having on-site will promote safety culture and use. Accomplish work in efficient and safe time frames.

## 15. Lime Sludge Mag Meter replacement

Project Year:	2024-25	Projected Cost:	\$10,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Replace worn out equipment.

## 16. Lagoons 2 &amp; 3 Lime Sludge Removal

Project Year:	2024-25	Projected Cost:	\$496,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Removal of lime sludge from lagoons 2 and 3.

## 17. WTP Well Rehab (2)-LW13 &amp; LW1

Project Year:	2024-26	Projected Cost:	\$90,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Project to include well inspection and rehab.

## WATER TREATMENT PROJECTS

## 18. Backwash Lagoon No.1 Rehab

Project Year:	2025-26	Projected Cost:	\$60,000
Primary Funding Source:	Water	Add Funding Source:	None

## 19. Backwash Lagoon No.2 Rehab

Project Year:	2025-26	Projected Cost:	\$60,000
Primary Funding Source:	Water	Add Funding Source:	None

## 20. WTP Hintz Well Rehab

Project Year:	2026-27	Projected Cost:	\$45,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Project to include well inspection and rehab. Must include offset well fencing and gate.

## 21. Booster Station Upgrade

Project Year:	2026-27	Projected Cost:	\$500,000
Primary Funding Source:	DWSRF	Add Funding Source:	Water

Description: This project was previously engineered, approved and permitted by 2008 but was shelved and never brought back as a project. Corrected piping, redundant pumps, and emergency backup generator were included in the original plans. This project would involve minimal engineering to update existing plans, remove all existing lead joints in the building, replace and add piping and required control valves along with electrical protection, VFD's and incorporation of SCADA controls.

## 22. Well Houses LW1, P2 &amp; P1, and Mechanical Equipment Improvements

Project Year:	2026-27	Projected Cost:	\$290,000
Primary Funding Source:	DWSRF	Add Funding Source:	Water

## WATER TREATMENT PROJECTS

Description: Replace well buildings at Local Well 1 and Palmer Street 2 with new well house per the City's standard well house design. Replace faulty mechanical equipment at well houses in kind. Demolish well house, tie off raw water main and cap well at Palmer Street 1.

## 23. Altitude Valves (2) – Replace or rebuild

Project Year:	2026-27	Projected Cost:	\$30,000
Primary Funding Source:	Water	Add Funding Source:	

Description: Replace worn out equipment.

## 24. CO2 Distribution System Rehab

Project Year:	2027-28	Projected Cost:	\$350,000
Primary Funding Source:	Water	Add Funding Source:	

Description: Replacement of existing worn out equipment and explanation of service life. The OEM will be contracted to inspect and provide current estimate prior to 2023.

## 25. WTP Filter Rehab (basement level equipment/control panels on first floor)

Project Year:	2027-28	Projected Cost:	\$500,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Project Per comments in the 2021 Sanitary Survey, WTP Plant Study.

## 26. WTP Reservoir Design/Rehab/Replacement

Project Year:	2028-29	Projected Cost:	\$7,500,000
Primary Funding Source:	Water	Add Funding Source:	None

Description: Project Per comments in the 2021 Sanitary Survey, WTP Plant Study

## 27. Filter valves, actuators &amp; meters installed, with controls

Project Year:	2027-28	Projected Cost:	\$500,000
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## WATER TREATMENT PROJECTS

Primary Funding Source: Water

Add Funding Source: None

Description: Existing valves and actuators are at the end of their life cycle, and require continuous service. Metering was removed years ago and not replaced. Backwash control panels needs updating option of moving to BW control to SCADA with the inclusion of functional level controls.

## 28. Equipment Storage Building

Project Year: 2027-28

Projected Cost: \$40,000

Primary Funding Source: Water

Add Funding Source: None

Description: Replace worn-out equipment - Enlarge existing building for equipment and vehicle storage.

## 29. Lagoon 1 Lime Sludge Removal

Project Year: 2027-28

Projected Cost: \$266,000

Primary Funding Source: Water

Add Funding Source: None

Description: Removal of lime sludge from lagoon 1.

## 30. Lagoon 4 Lime Sludge Removal

Project Year: 2028-29

Projected Cost: \$664,000

Primary Funding Source: Water

Add Funding Source: None

Description: Removal of lime sludge from lagoon 4

## 31. WTP River Crossing Raw Water Main Replacements

Project Year: 2028-29

Projected Cost: \$1,000,000

Primary Funding Source: Water

Add Funding Source: None

Description: Project Per comments in the 2021 Sanitary Survey, WTP Plant Study

## 32. Chlorine Distribution Tanks

## WATER TREATMENT PROJECTS

Project Year: 2028-29 Projected Cost: \$1,000,000  
Primary Funding Source: Water Add Funding Source:

Description: Replacement of existing worn out equipment. This will also include a cost and availability analysis of the existing Cl2 system, and the purchase and installation of an onsite hypochlorite generator system.

## 33. Fluoride Distribution System

Project Year: 2028-29 Projected Cost: \$250,000  
Primary Funding Source: Water Add Funding Source:

Description: Replacement of existing worn out equipment. Per comments in the 2021 Sanitary Survey this Fluoride system will be included in the WTP Study. Lab analysis equipment and methods are included.

## 34. Lagoon Security Fence

Project Year: 2028-29 Projected Cost: \$60,000  
Primary Funding Source: Water Add Funding Source:

Description: Repair of damaged fence and installation of 1,700 lin. ft. of new fence with signage installed. Per comments in the 2021 Sanitary Survey

## 35. Roof Replacement

Project Year: 2028-29 Projected Cost: \$310,000  
Primary Funding Source: Water Add Funding Source:

Description: Replace the roof on the original (west) WTP building.

## 36. Filter Effluent Piping Replacement

Project Year: 2027-28 Projected Cost: \$130,000  
Primary Funding Source: Water Add Funding Source:

Description: Replace approximately 100 feet of 20-inch filter effluent pipe from filter pipe gallery to wall of existing high service pipe gallery.

## WATER TREATMENT PROJECTS

**COMPLETED**

## 37. 16" High Service Pipe Replacement Completed

Project Year:	2020-21	Projected Cost:	\$479,000
Primary Funding Source:	DWRF Loan	Add Funding Source:	Water

Description: This pipe is located in the basement of the WTP has needed replacement for decades. It potentially will burst if not replaced.

## 38. Filter Backwash Pump, VFD, and Controls Completed

Project Year:	2020-21	Projected Cost:	\$460,000
Primary Funding Source:	DWRF Loan	Add Funding Source:	Water

Description: Replace existing 1940 backwash pump with new unit and add redundant unit with controls.

## 39. WTP Well No. 1 Rehab COMPLETE

Project Year:	2021-2022	Projected Cost:	\$40,000
Primary Funding Source:	Water	Add Funding Source:	None

## 40. Standpipe and Booster Pump Station &amp; West Elevated Tower Rehab COMPLETE

Project Year:	2022-23	Projected Cost:	\$700,000
Primary Funding Source:	DWRF Loan	Add Funding Source:	Water

Description: Complete interior piping and tank repaint. Complete exterior repaint. Lead joint and valve replacement. Included installation of mixer @ \$30,000.00. An additional \$380,000.00 for exterior blasting and \$80,000.00 for specialty Engineering is included in the 11/8/2021 OHM Probable budget pricing for both tanks. See comments above.

## 41. WTP Main Power Transfer Switch Replacement

Part of Elec/Grounding Project

## WATER TREATMENT PROJECTS

Project Year:	2022-23	Projected Cost:	\$35,000
Primary Funding Source:	Water	Add Funding Source:	None

42. Portable Generator			CANCELLED
Project Year:	2022-23	Projected Cost:	\$55,000
Primary Funding Source:	Water	Add Funding Source:	None

43. Backwash Lagoon No.2 – New Lagoon			CANCELLED
Project Year:	2023-24	Projected Cost:	\$70,000
Primary Funding Source:	Water	Add Funding Source:	None

44. Hintz Well Phase II – New Well			HOLD
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Project Year:	2027-28	Projected Cost:	\$1,500,000
Primary Funding Source:	Water	Add Funding Source:	Grant

Description: Maximum aquifer withdrawal is possible if a 2nd well can be permitted by the State. This location is our best water quality, an excellent location, already piped for larger RW capacity. SCADA monitoring controls and an emergency generator are included in planning. This well development has been moved to the Juniper site due to greater aquifer capacity. Well drilling and testing to be completed by 1/24/22. Submittal to EGLE for Well Permit by 2/2022. Hintz II is still a valid future project as final additional well site.

45. No. 1 High Service Pump and Controls			HOLD
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Project Year:	2027-28	Projected Cost:	\$100,000
Primary Funding Source:	Water	Add Funding Source:	

Description: Replacement of existing worn out equipment, installation of VFD.

## WASTEWATER TREATMENT PLANT PROJECTS

1. Sludge Dewatering Compactor/Screw Press IN PROCESS – EST COMPLETION 9/23

Project Year:	2022-23	Projected Cost:	\$4,885,000
Primary Funding Source:	Wastewater, SRF	Add Funding Source:	Grant

Description: Replace existing dewatering centrifuge with a new screw compactor system (SCS). The SCS will consist of new screw presses, replacement of sludge tanks, replace sludge pumps, new polymer feed, new ferric feed, replace high pressure blowers, replace building sump pump.

2. Main Building Roof Replacement IN PROCESS – EST COMPLETION 6/23  
(INCLUDED IN: Sludge Dewatering Compactor/Screw Press)

Project Year:	2022-23	Projected Cost:	\$494,728
Primary Funding Source:	SRF Loan, Wastewater	Add Funding Source:	Grant

Description: Replacing the existing roofing on the main plant building. The original (1980) built-up roof (concrete slab, insulation, and asphalt/felt) was recovered in 1988 with an EPDM membrane. Due to significant leaking, this roof requires patching/repair annually. Replacement would be down to the existing concrete slabs. This will occur when the solids handling project (No. 12) is completed.

3. Pump and Motor Replacement

Project Year:	2023-29	Projected Cost:	\$70,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Repair/replace miscellaneous process pumps/motors on an annual basis. \$10,000.00 per year

4. Tertiary Pump Rehabilitation

Project Year:	2022-25	Projected Cost:	\$75,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Scheduled rehabilitation of existing pump/motor to original specs

5. Nitrification Towers Rehabilitation (3), Filtration, Disinfection, Electrical Replacement/Upgrades, and add SCADA

## WASTEWATER TREATMENT PLANT PROJECTS

Project Year:	2023-24	Projected Cost:	\$13,600,000
Primary Funding Source:	SRF Loan, Grant	Add Funding Source:	Wastewater

Description: Replacement of the (3) existing nitrification towers, which date back to 1986. The interior plastic media has exceeded its original life expectancy (25 years), and there is structural degradation of the tank concrete to the failure point in several areas. Replace existing pressure filters with mesh disk filters, replace chemical disinfection system with UV disinfection. Replace/upgrade electrical distribution. Add SCADA system.

## 6. West Roughing Tower Pump

Project Year:	2023-24	Projected Cost:	\$25,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Scheduled rehabilitation of existing pump/motor to original specs

## 7. 10-Yard Tandem Dump Replacement. Used for Bio-solids Hauling

Project Year:	2023-24	Projected Cost:	\$150,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Replace – New truck with dump box. Current truck is 14 years old, with approximately 100,000 miles.

8. Electrical/Instrumentation Rehab  
(INCLUDED IN: Nitrification Towers Rehabilitation...)

Project Year:	2023-24	Projected Cost:	\$1,000,000
Primary Funding Source:	CWSRF	Add Funding Source:	Grant

Description: Repair/replace existing electrical distribution equipment, controllers, VFD's, and miscellaneous instrumentation.

9. SCADA System  
(INCLUDED IN: Nitrification Towers Rehabilitation...)

Project Year:	2023-24	Projected Cost:	\$900,000
Primary Funding Source:	CWSRF	Add Funding Source:	Grant

## WASTEWATER TREATMENT PLANT PROJECTS

Description: There is currently no SCADA (Supervisory Control and Data Acquisition) system installed at the WWTP. As our processes are upgraded, a SCADA system will be installed, allowing for greater and more effective control. SCADA allows more automatic adjustments for changing conditions, and removes the need for a 3rd shift operator to be present in normal conditions.

## 10. Secondary Clarifier Replacement

Project Year:	2024-25	Projected Cost:	\$4,250,000
Primary Funding Source:	CWSRF	Add Funding Source:	Grant

Description: Construction of one 9MGD secondary clarifier. Current plant process design will require this. Existing clarifiers date back to 1935, with rehab in 1986. Existing clarifiers are undersized for the plant process and structural degradation is to the point of failure at several points.

## 11. Auxiliary Roof Replacement

Project Year:	2025-2026	Projected Cost:	\$200,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Screw pump Building, Sludge Thickener Building, Maintenance Shop/Loading Dock roofs all have extensive leaking which requires frequent patching. Roof integrity, electrical distribution panels, etc. at risk due to leaks.

## 12. Administration Building/Lab Rehab

Project Year:	2025-2026	Projected Cost:	\$250,000
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: The administration/laboratory building is the original 1935 plant building, with conversion to its current configuration in 1980. Repointing and reroofing are necessary to remedy significant leaking which occurs during storm events. Doors need to be replaced. Interior water-damaged areas need rehabilitation, and additional office, meeting, and storage areas can be added with better use of available space. Consulting engineers and mechanical contractors would be necessary for design and construction.

## 13. Primary Clarifier Steel Coating

## WASTEWATER TREATMENT PLANT PROJECTS

Project Year: 2026-2027      Projected Cost: \$150,000  
Primary Funding Source: Wastewater      Add Funding Source:

Description: Primary Clarifier rebuild was completed in 2018. The corrosive nature of Ferric Chloride, which is added prior to the clarifiers, is detrimental to the galvanized steel baffling and sludge collection rakes. A coal tar epoxy coating will extend the life of the equipment.

## 14. Digester Demo/Drying Bed Expansion/Paving/Parking

Project Year: 2026-2027      Projected Cost: \$500,000  
Primary Funding Source: Wastewater      Add Funding Source:

Description: Digester was part of original 1935 plant process, and has been out of service since the early 1980s. Rehab/reuse would be very costly and is not part of any future process plans. Additional space will be used for drying bed expansion (if found to be necessary) and staff parking. Also includes complete repaving of all WWTP drives.

## 15. Retention Basin

Project Year: 2027-2028      Projected Cost: \$5,000,000  
Primary Funding Source: SRF Loan, Grant      Add Funding Source:

Description: 5 million gallon retention basin for use during SSO-type events and plant maintenance activities.

## 16. Sludge Dryer

Project Year: 2028-2029      Projected Cost: \$5,000,000  
Primary Funding Source: CWSRF, Grant      Add Funding Source:

Description: Will reduce sludge volume by 66% and provide Class A bio-solids which can be land applied, significantly lowering our annual landfill costs.

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## WASTEWATER TREATMENT PLANT PROJECTS

**Completed/Cancelled**

## 17. Grit Removal System COMPLETED

Project Year:	2020-21	Projected Cost:	\$1,030,000
Primary Funding Source:	SRF Loan, Wastewater	Add Funding Source:	Grant

Description: The original automatic grit removal system was removed in the early 1990's and never replaced. Manual removal of accumulated grit has not proven to be an effective approach to this standard, vital part of headworks operation. Without effective grit removal, downstream process equipment is worn out much faster, with higher rehab costs occurring at a frequent rate. Consulting engineers and mechanical contractors would be necessary for design and installation. The cost would also include cleanout of existing grit chamber.

## 18. Screw Pumps (3) COMPLETED

Project Year:	2020-21	Projected Cost:	\$1,200,000
Primary Funding Source:	SRF Loan, Grant	Add Funding Source:	

Description: Purchase of 3 screw pumps to replace worn out equipment

## 19. East Roughing Tower Pump COMPLETED – 2/25/22

Project Year:	2021-22	Projected Cost:	\$18,575
Primary Funding Source:	Wastewater	Add Funding Source:	

Description: Scheduled rehabilitation of existing pump/motor to original specs