



CAPITAL IMPROVEMENT PLAN

**CITY OF OWOSSO
2022-2028**

City Council

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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:

| CATEGORY | DEPARTMENT |
|-----------------|--|
| 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 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 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 | Alger Street Demo | General Fund | | \$ 18,000 | | | | | | \$ 18,000 |
| Comm Dev | MSHDA NEP Program | Grant | | \$ 37,500 | | | | | | \$ 37,500 |
| Comm Dev | Zoning Ordinance Update | General Fund | \$ 40,000 | | | | | | | \$ 40,000 |
| Comm Dev | TOTAL | | \$ 78,000 | \$ 95,500 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 173,500 |
| Historical | Curwood Castle Exterior Lighting | OHC | | | | | \$ 15,000 | | | \$ 15,000 |
| 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 Porch Rebuild (3) | Millage | \$ 50,000 | | | | | | | \$ 50,000 |
| Historical | Gould House Energy Efficient Windows | OHC | | | \$ 35,000 | | | | | \$ 35,000 |
| Historical | Gould House Furnace Replacement(3) and Hot Water Replacement (3) | Millage | \$ 20,000 | | | | | | | \$ 20,000 |
| 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 | Gould House Roof, Gutter, and Soffit Repair | Millage | \$ 150,000 | | | | | | | \$ 150,000 |
| Historical | TOTAL | | \$ 220,000 | \$ 10,000 | \$ 100,000 | \$ 20,000 | \$ 15,000 | \$ - | \$ 200,000 | \$ 550,000 |
| IT | General IT Upgrades | General Fund | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 70,000 |
| IT | Replace Cisco Routers | General Fund | \$ 40,000 | | | | | | | \$ 40,000 |
| IT | Replace Battery back up | General Fund | | | \$ 25,000 | | | | | \$ 25,000 |
| IT | Replace Phone Handsets | General Fund | | | \$ 24,000 | | | | | \$ 24,000 |
| IT | Replacement of Firewall | General Fund, MMRPA RAP Grant | | \$ 32,000 | | | | | | \$ 32,000 |
| IT | Improve Wireless Accessibility - City Hall | General Fund | \$ 18,000 | | | | | | | \$ 18,000 |
| IT | Halcyon Fire System in Server Room | General Fund | \$ 16,200 | | | | | | | \$ 16,200 |
| 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 | | \$ 103,200 | \$ 81,000 | \$ 78,000 | \$ 29,000 | \$ 29,000 | \$ 29,000 | \$ 29,000 | \$ 378,200 |
| Main St/DDA | ATV with snow blower/plow for Downtown Snow Removal | DDA | | \$ 15,000 | | | | | | \$ 15,000 |
| Main St/DDA | Light Up the City - Streetlight Replacement | DDA, Donation | | \$ 146,000 | \$ 146,000 | \$ 146,000 | \$ 146,000 | \$ 146,000 | \$ 146,000 | \$ 876,000 |
| Main St/DDA | Mural Project | Grant | | | \$ 37,500 | \$ 37,500 | | | | \$ 75,000 |
| Main St/DDA | Woodard Place | DDA, donation | | \$ 25,000 | | | | | | \$ 25,000 |
| Main St/DDA | Downtown Planters | DDA | \$ 10,000 | | | | | | | \$ 10,000 |
| Main St/DDA | Downtown Security Cameras | DDA, Donations, Grant | | \$ 10,000 | | | | | | \$ 10,000 |
| Main St/DDA | Downtown Streetscape Improvements | DDA, Grant | | \$ 92,000 | \$ 92,000 | \$ 92,000 | | | | \$ 276,000 |
| Main St/DDA | TOTAL | | \$ 10,000 | \$ 288,000 | \$ 238,000 | \$ 275,500 | \$ 183,500 | \$ 146,000 | \$ 146,000 | \$ 1,287,000 |
| Parks and Rec | Adams Park Pavilion | Grant, Donations | | | \$ 30,000 | | | | | \$ 30,000 |
| Parks and Rec | 5-Year Master Plan | General Fund | | \$ 20,000 | | | | | | \$ 20,000 |
| Parks and Rec | Barrier Free Landing at Oakwood Ave Bridge | General Fund, Grant | | | \$ 80,000 | | | | | \$ 80,000 |
| 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 | Hopkins Lake Dock Replacement | Millage | \$ 28,000 | | | | | | | \$ 28,000 |
| Parks and Rec | Collamer Park East Side Parking | General Fund, Grant, Donation | | | | | | \$ 30,000 | | \$ 30,000 |
| 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 |

PROJECTS BY CATEGORY

| CATEGORY | PROJECT NAME | FUNDING SOURCE | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | TOTAL |
|----------------------|---|-------------------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|----------------------|----------------------|
| Parks and Rec | Grove Holman Parking Lot | Millage | | | \$ 15,000 | | | | | \$ 15,000 |
| 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 Drain Culvert | General Fund, Grant, Donation | | | | | \$ 30,000 | | | \$ 30,000 |
| Parks and Rec | Rosevear Parking Lot | General Fund, Grant, Donation | | | | | \$ 30,000 | | | \$ 30,000 |
| Parks and Rec | Replace Oakwood Bridge Decking | General Fund, Millage | | \$ 30,000 | | | | | | \$ 30,000 |
| Parks and Rec | Rosevear to Collamer Connection Path | General Fund, Grant, Donation | | | | | \$ 30,000 | | | \$ 30,000 |
| Parks and Rec | Rudy DeMuth Parking Removal | General Fund, Grant, Donation | | | | | \$ 20,000 | | | \$ 20,000 |
| Parks and Rec | Permanent Connection to CIS Trail | Grants | | | | | | | \$ 2,500,000 | \$ 2,500,000 |
| Parks and Rec | TOTAL | | \$ 28,000 | \$ 190,000 | \$ 125,000 | \$ 365,000 | \$ 110,000 | \$ 230,000 | \$ 2,500,000 | \$ 3,548,000 |
| | | | | | | | | | | |
| Public Safety | Ambulance Replacement | General Fund | | \$ 214,000 | | | | | | \$ 214,000 |
| Public Safety | Automatic External Defibrillator (AED) | General Fund | \$ 33,000 | \$ 33,000 | | | | | | \$ 66,000 |
| Public Safety | Detective Car | General Fund | \$ 30,000 | | | | | | | \$ 30,000 |
| 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 | Magnet Officer Vehicle | General Fund | | \$ 35,000 | | | | | | \$ 35,000 |
| Public Safety | Public Safety Building | General Fund | | | | | | | \$ 10,000,000 | \$ 10,000,000 |
| Public Safety | Fire Truck Replacement - Engine #1 | General Fund, Grant | | \$ 619,000 | | | | | | \$ 619,000 |
| Public Safety | Fire Department Radios | General Fund, Grant | \$ 20,700 | | | | | | | \$ 20,700 |
| 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 | | \$ 223,900 | \$ 1,116,700 | \$ 57,200 | \$ 57,200 | \$ 57,200 | \$ 57,200 | \$ 10,057,200 | \$ 11,626,600 |
| | | | | | | | | | | |
| Public Service | Ada Street Reconstruction | Bond, SAD | | | | | | \$ 105,000 | \$ 105,000 | \$ 210,000 |
| Public Service | Ball Street Rehabilitation | Bond, SAD | | | | | \$ 583,500 | \$ 583,500 | | \$ 1,167,000 |
| Public Service | Broadway Avenue Rehabilitation | Bond, SAD | | | | | \$ 169,000 | \$ 169,000 | | \$ 338,000 |
| Public Service | Campbell Drive Rehabilitation | Bond/SAD | | | | | | \$ 191,500 | \$ 191,500 | \$ 383,000 |
| Public Service | Carmody Street Rehabilitation | Bond, SAD | | \$ 50,000 | | | | | | \$ 50,000 |
| Public Service | Cedar Street Rehabilitation | Bond, SAD, Water Fund | | | | \$ 1,014,200 | \$ 1,014,200 | | | \$ 2,028,400 |
| Public Service | Center Street Rehabilitation - King St to 132 ft north of Alturas | DWRF, WATER, ARPA | | \$ 850,000 | | | | | | \$ 850,000 |
| Public Service | Center Street Resurfacing - Alturas Drive to North | Bond, SAD, Water Fund | | | \$ 424,600 | | | | | \$ 424,600 |
| Public Service | Chip Seal Program | PA-51 Major and Local Funds | | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 200,000 | \$ 1,200,000 |
| Public Service | Chip Seal Contract #2 | PA-51 Major and Local Funds | \$ 405,000 | | | | | | | \$ 405,000 |
| Public Service | Chipman Resurfacing - Harding to North | Bond, SAD | | | | \$ 425,500 | \$ 425,500 | | | \$ 851,000 |
| Public Service | Chipman Street Reconstruction - Main St to Beehler St | Bond, MDOT Grant, SAD | | \$ 872,300 | | | | | | \$ 872,300 |
| Public Service | Clinton Street Rehabilitation | Bond, SAD | | | | | \$ 380,900 | \$ 380,900 | | \$ 761,800 |
| Public Service | Comstock Street Rehabilitation | Bond, SAD | | | | | | \$ 546,000 | \$ 546,000 | \$ 1,092,000 |
| Public Service | Clyde Street Resurfacing | Bond, SAD, Water, DWRF | | | \$ 292,000 | | | | | \$ 292,000 |
| Public Service | Crush and Shape Contract | Bond, Streets, SAD | \$ 500,000 | | | | | | | \$ 500,000 |
| Public Service | Dewey Street Rehabilitation | Bond, SAD | | | | | | \$ 1,122,000 | | \$ 1,122,000 |
| Public Service | Division Street Rehabilitation | Bond, SAD | | | \$ 280,000 | | | | | \$ 280,000 |
| Public Service | Elm Street Reconstruction | 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 | | | | | | \$ 232,500 | \$ 232,500 | \$ 465,000 |
| Public Service | Huntington Drive Rehabilitation | Bond, SAD | | | | | | \$ 224,000 | \$ 224,000 | \$ 448,000 |
| Public Service | Howell Street Resurfacing | Bond, SAD | | | \$ 88,000 | | | | | \$ 88,000 |
| Public Service | King Street Rehabilitation | Bond, SAD, MDOT Grant | | | | | | \$ 645,000 | \$ 645,000 | \$ 1,290,000 |
| Public Service | Jerome Street Resurfacing and LSR | Act 51, SAD, Water | | | \$ 378,950 | | | | | \$ 378,950 |
| Public Service | Lee Street Rehabilitation and Water Main | Act 51, SAD, Water, DWRF | | \$ 458,000 | | | | | | \$ 458,000 |
| Public Service | Lynn Street Resurfacing | Bond, SAD | | | \$ 135,700 | | | | | \$ 135,700 |

PROJECTS BY CATEGORY

| CATEGORY | PROJECT NAME | FUNDING SOURCE | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | TOTAL |
|-----------------------|---|---|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Public Service | Maple Street Reconstruction (water main inc) | Bond, SAD | | \$ 230,500 | | | | | | \$ 230,500 |
| Public Service | Martin Street Rehabilitation | Bond, SAD | | | | | | \$ 364,000 | \$ 364,000 | \$ 728,000 |
| Public Service | Mason Street Rehabilitation | Bond, SAD | | | | \$ 541,000 | \$ 541,000 | | | \$ 1,082,000 |
| Public Service | Monroe Street Rehabilitation - Washington to Broadway | Bond, SAD | | | | | \$ 517,300 | \$ 517,300 | | \$ 1,034,600 |
| Public Service | North Street Rehabilitation - N. Shiawassee to Hickory | Bond, SAD, Small Urban Grant | | | \$ 610,000 | | | | | \$ 610,000 |
| Public Service | Pearce Street Resurfacing | Bond, SAD | | | | | | \$ 200,000 | | \$ 200,000 |
| Public Service | Sanitary Sewer River Crossing - M-52 | Sewer Fund | | | | | \$ 1,500,000 | | | \$ 1,500,000 |
| Public Service | Sanitary Sewer Interceptor | Wastewater Fund | | | \$ 250,000 | | | | | \$ 250,000 |
| Public Service | Sewer Rehab-St. Construction | Wastewater Fund | | | \$ 400,000 | \$ 400,000 | \$ 400,000 | \$ 400,000 | \$ 400,000 | \$ 2,000,000 |
| Public Service | Shady Lane - Resurfacing | Bond, SAD | | | \$ 350,400 | \$ 350,400 | | | | \$ 700,800 |
| Public Service | Sidewalk Replacement | Act-51 local & major street fund | | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 900,000 |
| Public Service | Stewart Street Rehabilitation | Bond, SAD, TEDF Category F grant | | | \$ 736,120 | \$ 736,120 | | | | \$ 1,472,240 |
| Public Service | Storm Sewer Lining | Bond, SAD | | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 150,000 | \$ 900,000 |
| Public Service | Street Patch | Act-51 local & major street fund, water, sewer fund | \$ 85,715 | \$ 85,715 | \$ 85,715 | \$ 85,715 | \$ 85,715 | \$ 85,715 | | \$ 514,290 |
| Public Service | Water Main Replacement - 2026 - Construction Misc Other | Water Fund | | | | | | \$ 1,426,900 | | \$ 1,426,900 |
| Public Service | Water Main Replacement - 2027 - Construction Misc Other | Water Fund | | | | | | | \$ 380,000 | \$ 380,000 |
| 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 | | | \$ 682,000 | | | | | \$ 682,000 |
| Public Service | Water Main Replacement - 2024 - Construction Misc Other | Water Fund | | | | \$ 919,600 | | | | \$ 919,600 |
| Public Service | Water Main Replacement - 2025 - Construction Misc Other | Water Fund | | | | | \$ 1,412,500 | | | \$ 1,412,500 |
| Public Service | Water Service Line Replacement - LSR | Water Fund, ARPA, DWRF | | \$ 1,250,000 | \$ 1,250,000 | \$ 1,250,000 | \$ 1,250,000 | \$ 1,250,000 | \$ 1,250,000 | \$ 7,500,000 |
| Public Service | Woodlawn Avenue Rehabilitation - Farr to Auburndale | Bond, SAD | | | \$ 232,000 | \$ 232,000 | | | | \$ 464,000 |
| Public Service | Woodlawn Avenue Rehabilitation - Monroe to Corunna | Bond, SAD | | | \$ 78,000 | \$ 78,000 | | | | \$ 156,000 |
| Public Service | TOTAL | | \$ 990,715 | \$ 5,146,515 | \$ 6,983,485 | \$ 6,742,535 | \$ 8,779,615 | \$ 8,943,315 | \$ 5,334,000 | \$ 42,920,180 |
| | | | | | | | | | | |
| Public Works | 1/2 Ton Pickup | Motor Pool | | | | \$ 25,600 | | | | \$ 25,600 |
| Public Works | Administrative Car (2) | Motor Pool | | \$ 51,000 | | | | | | \$ 51,000 |
| Public Works | Bucket Truck Aerial Lift | Motor Pool | \$ 210,000 | | | | | | | \$ 210,000 |
| Public Works | Carpet for Finance/IT Wing of City Hall | General Fund | \$ 10,000 | | | | | | | \$ 10,000 |
| Public Works | Heavy Service Truck | Motor Pool | | | \$ 561,000 | | | | | |
| Public Works | City Hall Front Steps | General Fund | | \$ 18,000 | | | | | | \$ 18,000 |
| Public Works | Leaf Vac Machine | Motor Pool | | | | | \$ 60,000 | | | \$ 60,000 |
| Public Works | Library Heating Pipes | General Fund | | | | | | \$ 75,000 | | \$ 75,000 |
| Public Works | Mobile Light Tower | Motor Pool | \$ 5,500 | | | | | | | \$ 5,500 |
| Public Works | Library Air Conditioning | General Fund | \$ 33,000 | | | | | | | \$ 33,000 |
| Public Works | Mower Blower - John Deere | Motor Pool | | | \$ 28,000 | | | | | \$ 28,000 |
| Public Works | Overhead Street Lights and Poles | General Fund | \$ 30,000 | | | | | | | \$ 30,000 |
| Public Works | Tandem Dump Truck (2) | Motor Pool | | \$ 360,000 | | | | | | \$ 360,000 |
| Public Works | Pickups (3) | Motor Pool | | \$ 80,400 | | | | | | \$ 80,400 |
| Public Works | Pole Barn Expansion | General Fund | | \$ 110,000 | | | | | | \$ 110,000 |
| Public Works | Pickups - 3/4 Ton (2) | Motor Pool | | | | \$ 60,000 | | | | \$ 60,000 |
| Public Works | Public Works Building Improvements | General Fund, Motor Pool | \$ 72,000 | | | | | | | \$ 72,000 |
| Public Works | Security & Accessibility Technology at City Hall | General Fund | \$ 10,000 | | | | | | | \$ 10,000 |
| Public Works | Skid Steer - W/Attachments | Motor Pool | | | | \$ 90,667 | | | | \$ 90,667 |
| Public Works | Sweeper | Motor Pool | | | | | \$ 300,000 | | | \$ 300,000 |
| Public Works | Sewer Vactor Truck | Motor Pool | | | | \$ 600,000 | | | | \$ 600,000 |
| Public Works | Tractor 4X4 - Mowing | Motor Pool | | \$ 40,500 | | | | | | \$ 40,500 |
| Public Works | Wheel Loaders - 2 | Motor Pool | | | \$ 375,000 | \$ 375,000 | | | | \$ 750,000 |
| Public Works | TOTAL | | \$ 370,500 | \$ 659,900 | \$ 964,000 | \$ 1,151,267 | \$ 360,000 | \$ 75,000 | \$ - | \$ 3,019,667 |
| | | | | | | | | | | |
| WTP | Chlorine Distribution Tanks | Water Fund | | | | \$ 40,000 | | | | \$ 40,000 |
| WTP | CO2 Distribution System Rehab | Water Fund | | | \$ 100,000 | | | | | \$ 100,000 |
| WTP | Fluoride Distribution System | Water Fund | | | | \$ 27,000 | | | | \$ 27,000 |

PROJECTS BY CATEGORY

| CATEGORY | PROJECT NAME | FUNDING SOURCE | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | TOTAL |
|--------------|--|-----------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| WTP | Hintz Well Rehab | Water Fund | | | | | \$ 40,000 | | | \$ 40,000 |
| WTP | Hintz Well Phase II | Water Fund | | | | | | | \$ 185,000 | \$ 185,000 |
| WTP | Induced Draft Aerator Rehab | Water Fund | | | \$ 40,000 | | | | | \$ 40,000 |
| WTP | Lagoon Security Fence | Water Fund | \$ 40,400 | | | | | | | \$ 40,400 |
| WTP | SCADA Controls | Water Fund | \$ 222,750 | \$ 119,250 | \$ 292,250 | | | | | \$ 634,250 |
| WTP | Lab Room Remodel | Water Fund | | \$ 15,000 | | | | | | \$ 15,000 |
| WTP | Standpipe & Booster Pump Station Rehab | Water Fund | | \$ 460,000 | | | | | | \$ 460,000 |
| WTP | West Elevated Tower Rehab | Water Fund, DWRF | | | \$ 380,000 | | | | | \$ 380,000 |
| WTP | Palmer No 2 Well Rehab | Water Fund | | \$ 180,000 | | | | | | \$ 180,000 |
| WTP | Juniper St Well - New | Water Fund | | \$ 225,000 | | | | | | \$ 225,000 |
| WTP | Water Treatment Plant Well No. 1 Rehab | Water Fund | \$ 40,000 | | | | | | | \$ 40,000 |
| WTP | Backwash Lagoon No. 2 - New Lagoon | Water Fund | | | \$ 70,000 | | | | | \$ 70,000 |
| WTP | Backwash Lagoon No. 1 Rehab | Water Fund | | | \$ 25,000 | | | | | \$ 25,000 |
| WTP | Filter Rehab - 1st Floor | Water Fund | | | | | \$ 1,200,000 | | | \$ 1,200,000 |
| WTP | River Crossing Water Main Extension | Water Fund | | | | | | \$ 1,000,000 | | \$ 1,000,000 |
| WTP | WTP Well Rehab (2) | Water Fund | | | | | | \$ 40,000 | \$ 40,000 | \$ 80,000 |
| WTP | Osburn Well Rehab | Water Fund | | | | | | \$ 40,000 | | \$ 40,000 |
| WTP | No 1 Hi Service Pump and Controls | Water Fund | | | | | | | \$ 52,000 | \$ 52,000 |
| WTP | Plant Reservoir Replacement | Water Fund | | | | | | | \$ 2,500,000 | \$ 2,500,000 |
| WTP | Filter Rehab - Basement | Water Fund | | | \$ 500,000 | | | | | \$ 500,000 |
| WTP | Water Treatment Plant Main Power Transfer Switch Replacement | Water Fund | | \$ 35,000 | | | | | | \$ 35,000 |
| WTP | Portable Generator | Water Fund | | \$ 55,000 | | | | | | \$ 55,000 |
| WTP | TOTAL | | \$ 303,150 | \$ 1,089,250 | \$ 1,407,250 | \$ 67,000 | \$ 1,240,000 | \$ 1,080,000 | \$ 2,777,000 | \$ 7,963,650 |
| WWTP | Administration Building Rehabilitation | Wastewater Fund | | \$ 133,000 | \$ 133,000 | \$ 134,000 | | | | \$ 400,000 |
| WWTP | Beehler/Bradley St Retention Basin | MDEQ SRF Loan | | | | | \$ 3,500,000 | | | \$ 3,500,000 |
| WWTP | East Roughing Tower Pump | Wastewater Fund | \$ 20,000 | | | | | | | \$ 20,000 |
| WWTP | Electrical/Instrumentation Rehabilitation - misc. | Wastewater Fund | | | | | | \$ 1,000,000 | | \$ 1,000,000 |
| WWTP | Main Building Roof Replacement | Wastewater Fund, Grant, SRF | | \$ 398,000 | | | | | | \$ 398,000 |
| WWTP | Nitrification Tower Replacement and Membrane System | Wastewater Fund, Grant, SRF | | | \$ 10,000,000 | | | | | \$ 10,000,000 |
| WWTP | Pump & Motor Replacement | Wastewater Fund | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 | \$ 140,000 |
| WWTP | SCADA System Install | Wastewater Fund | | | | | | \$ 900,000 | | \$ 900,000 |
| WWTP | Secondary Clarifier Replacement | Wastewater Fund | | | | \$ 3,000,000 | | | | \$ 3,000,000 |
| WWTP | Sludge Dewatering - Compactor | Wastewater Fund, Grant | | \$ 4,000,000 | | | | | | \$ 4,000,000 |
| 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 Rehab | Motor Pool | | | \$ 65,000 | | | | | \$ 65,000 |
| WWTP | TOTAL | | \$ 40,000 | \$ 4,576,000 | \$ 10,203,000 | \$ 3,179,000 | \$ 3,520,000 | \$ 1,920,000 | \$ 20,000 | \$ 23,458,000 |
| TOTAL | | | \$ 2,367,465 | \$ 13,252,865 | \$ 20,155,935 | \$ 11,886,502 | \$ 14,294,315 | \$ 12,480,515 | \$ 21,063,200 | \$ 94,924,797 |

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 IN PROGRESS

| | | | |
|-------------------------|--------------|---------------------|----------|
| 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

| | | | |
|-------------------------|--------------|---------------------|----------|
| 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

| | | | |
|-------------------------|--------------|---------------------|----------|
| 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. Exterior and Interior Home Rehab CANCELLED

| | | | |
|-------------------------|-----------------|---------------------|----------|
| Project Year: | 2021-23 | 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.

MAIN STREET AND DDA PROJECTS

1. Downtown Streetscape Improvements

| | | | |
|-------------------------|-----------|---------------------|-----------------|
| Project Year: | 2022-2025 | Estimated Cost: | \$250,000 |
| Primary Funding Source: | DDA | Add Funding Source: | Grant/Donations |
| Ranking: | Medium | | |

Project Description: Create a walkable city: Repair/replace flowerbeds, remove trees and replace with appropriate species, add moveable planters, repair/replace serpentine sidewalk bricks, provide designated dumpster locations, and repair parking lots in the downtown district.

2. ATV with Snow Blower/Plow

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2022-23 | Estimated Cost: | \$15,000 |
| Primary Funding Source: | DDA | Add Funding Source: | Donation |
| Ranking: | Low | | |

Description: Purchase an ATV/UTV with snow removal capability to clear snow and salt sidewalks during the winter months for the downtown district.

3. Downtown Security Cameras

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2022-23 | Estimated Cost: | \$10,000 |
| 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.

4. Mural Project

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2024-26 | Estimated Cost: | \$75,000 |
| Primary Funding Source: | Grant | Add Funding Source: | Donation |
| Ranking: | Low | | |

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

5. Light up the City

| | | | |
|-------------------------|----------|---------------------|-------------------|
| Project Year: | 2022-27 | Estimated Cost: | \$875,000 |
| Primary Funding Source: | Donation | Add Funding Source: | DDA, General Fund |
| Ranking: | High | | |

MAIN STREET AND DDA PROJECTS

Description: Repair existing Chairman Lights as a short-term solution and replace with energy efficient, directional lighting that fits within the historical narrative. Add colored lighting to “wash” poles with seasonal color.

6. Woodard Place

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2022-23 | Estimated Cost: | \$25,000 |
| Primary Funding Source: | DDA | Add Funding Source: | Donation |
| Ranking: | High | | |

Description: Repairs to furniture and fence, replace fabric umbrellas with metal umbrellas, add string lights – Edison bulbs, add planters with a grey water system, add mural (\$ from #4 project above) to west wall, and replace metal awnings.

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: | Medium | | |

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) IN PROCESS

| | | | |
|-------------------------|---------|---------------------|----------|
| 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 (3) COMPLETE

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

Description: Rebuild the 3 porches on the Gould House.

5. Gould House Exterior Painting

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2023-24 | Estimated Cost: | \$15,000 |
| Primary Funding Source: | OHC | Add Funding Source: | |

HISTORICAL FACILITIES PROJECTS

Ranking: Low

Description: Paint exterior wood on Gould House.

6. Gould House Interior Restoration

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2023-24 | 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.

7. Curwood Castle Boiler Replacement

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

Description: Replace boiler in Curwood Castle

8. Curwood Castle Exterior Lighting Improvements

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2022-23 | 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.

9. Gould House Carriage House Restoration

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

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: | \$70,000 |
| 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.

2. Replace Battery Backup

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2023-24 | Estimated Cost: | \$25,000 |
| 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: | 2021-22 | 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

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

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

INFORMATION TECHNOLOGY PROJECTS

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

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2021-22 | 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: | 2021-22 | 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.

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: | \$80,000 |
| 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: | \$15,000 |
| Primary Funding Source: | Millage | Add Funding Source: | |
| Ranking: | High | | |

Description: With the completion of the skate park and the possible repurposing of the Holman Pool building, 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: | \$2,500,000 |
| 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 East Side Parking

| | | | |
|-------------------------|---------|---------------------|-----------------|
| Project Year: | 2026-27 | Estimated Cost: | \$30,000 |
| Primary Funding Source: | Millage | Add Funding Source: | Grant, Donation |
| Ranking: | Low | | |

Description: Develop parking on east side of Hopkins Lake with the fishing pier to satisfy the needs of the trailhead and pier at the south end of Palmer Street.

8. Collamer Park Fishing Pier COMPLETE

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

9. Curwood/Middle School Area Boat Launch GRANT APPROVED – PLANNING PROCESS

| | | | |
|-------------------------|---------|---------------------|-----------------|
| 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.

10. Hugh Parker Equipment Storage Building

| | | | |
|---------------|---------|-----------------|----------|
| Project Year: | 2024-25 | Estimated Cost: | \$30,000 |
|---------------|---------|-----------------|----------|

PARKS AND RECREATION PROJECTS

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

16. Rudy Demuth Oakwood Parking Lot

Project Year: 2025-26 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

17. Hopkins Lake Dock Replacement COMPLETE

Project Year: 2021-22 Estimated Cost: \$28,000
 Primary Funding Source: Parks Millage Add Funding Source:
 Ranking: High

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

18. Replace Oakwood Bridge Decking

Project Year: 2022-23 Estimated Cost: \$30,000
 Primary Funding Source: Millage Add Funding Source: General Fund
 Ranking: High

Description: Replace wooden deck on Oakwood walk-bridge.

19. 5-Year Parks and Rec Master Plan

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: | 2020-27 | Projected Cost: | \$400,000 |
| 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: | \$10,000,000 |
| 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: | 2021-22 | 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

| | | | |
|---------------|---------|-----------------|----------|
| Project Year: | 2022-23 | Projected Cost: | \$35,000 |
|---------------|---------|-----------------|----------|

PUBLIC SERVICE PROJECTS

1. 2022 Water Main Replacement (Center Street)

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2022-23 | Projected Cost: | \$850,000 |
| Primary Funding Source: | DWRF | Add Funding Source: | Water, ARPA |

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

2. Chipman Street Reconstruction & Water Main Replacement

GRANT APPLICATION SUBMITTED. ON HOLD PENDING FUNDING

| | | | |
|-------------------------|--------------------|---------------------|------------|
| Project Year | 2022-23 | Projected Cost: | \$872,300 |
| 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.

3. Division Street Rehabilitation

ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2023-24 | Projected Cost: | \$280,000 |
| 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.

4. Lee Street Rehabilitation & Water Main Replacement

| | | | |
|-------------------------|--------------------|---------------------|-------------|
| Project Year: | 2022-23 | Projected Cost: | \$458,000 |
| Primary Funding Source: | Act 51, SAD, Water | Add Funding Source: | Water, DWRF |

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.

PUBLIC SERVICE PROJECTS

5. North Street Rehabilitation & Water Main Replacement

| | | | |
|-------------------------|------------------|---------------------|-------------|
| Project Year: | 2022-24 | Projected Cost: | \$1,717,000 |
| Primary Funding Source: | Bond, SAD, Water | Add Funding Source: | Grant |

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.

6. Chip Seal Program

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2022-28 | 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.

7. Water Service Line Replacement Project

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2022-28 | Projected Cost: | \$7,500,000 |
| Primary Funding Source: | Water | Add Funding Source: | DWRF, ARPA |

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

8. Sidewalk Replacement Program

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2022-28 | 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.

9. Storm Sewer Lining

| | | | |
|---------------|---------|-----------------|-----------|
| Project Year: | 2022-28 | Projected Cost: | \$900,000 |
|---------------|---------|-----------------|-----------|

PUBLIC SERVICE PROJECTS

Primary Funding Source: Bond 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.

10. Street Patch Program

Project Year: 2022-28 Projected Cost: \$600,000
 Primary Funding Source: Act 51 Add Funding Source: Water

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.

11. Carmody Street Resurfacing ON HOLD PENDING FUNDING

Project Year: 2023-24 Projected Cost: \$50,100
 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.

12. Center Street Resurfacing – King to Alturas

Project Year: 2023-24 Projected Cost: \$119,000
 Primary Funding Source: Act 51, SAD Add Funding Source: POTENTIAL
 TARGET FOR ARPA

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.

13. Center Street Rehabilitation – Alturas to North

Project Year: 2023-24 Projected Cost: \$279,000
 Primary Funding Source: Act 51, SAD Add Funding Source:

PUBLIC SERVICE PROJECTS

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.

14. Clyde Street Resurfacing & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2023-24 | Projected Cost: | \$292,000 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRP |

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

15. Howell Street Resurfacing ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|----------|
| Project Year: | 2023-24 | Projected Cost: | \$88,000 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | |

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.

16. Jerome Street Resurfacing & Water Service Line Replacement

| | | | |
|-------------------------|--------------------|---------------------|-----------|
| Project Year: | 2023-24 | Projected Cost: | \$378,950 |
| Primary Funding Source: | Act 51, SAD, Water | 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.

17. Lynn Street Resurfacing & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2023-24 | Projected Cost: | \$135,700 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRP |

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

PUBLIC SERVICE PROJECTS

18. Sanitary Sewer Interceptor

| | | | |
|-------------------------|------------|---------------------|-----------|
| Project Year: | 2023-24 | Projected Cost: | \$250,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | ARPA |

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

19. 2023 Water Main Replacement

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2023-24 | Projected Cost: | \$682,000 |
| Primary Funding Source: | DWRF | Add Funding Source: | Water |

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

N. Dewey – Brandon to Moore
 Milwaukee - S. Lyon to S. Cedar
 Huron - Huggins to E. End

20. Exchange Street Rehabilitation

ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2023-25 | 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.

21. Shady Lane Rehabilitation & Water Main Replacement

ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2023-25 | Projected Cost: | \$700,800 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRF |

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.

PUBLIC SERVICE PROJECTS

22. Stewart Street Rehabilitation & Water Main Replacement

| | | | |
|-------------------------|--------------------|---------------------|-------------|
| Project Year: | 2023-25 | Projected Cost: | \$1,472,240 |
| Primary Funding Source: | Act 51, SAD, Water | Add Funding Source: | Grant, DWRF |

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.

23. Woodlawn Avenue Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2023-25 | Projected Cost: | \$464,000 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRF |

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.

24. Woodlawn Avenue Rehabilitation ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2023-25 | Projected Cost: | \$156,000 |
| 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.

25. Sanitary Sewer Rehab – Open Cut Replacement

| | | | |
|-------------------------|------------|---------------------|-------------|
| Project Year: | 2023-28 | Projected Cost: | \$2,000,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | |

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

26. 2024 Water Main Replacement

PUBLIC SERVICE PROJECTS

Project Year: 2024-25 Projected Cost: \$919,600
 Primary Funding Source: Water Add Funding Source: DWRF

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

- Genesee - Michigan to Green
- Grace - M-52 to Cedar
- Young - Chestnut to Brooks
- Nafus - Frederick to Freeman
- Tracy- Frederick to Stewart
- Nafus - Frederick to S. End (DPW Project)

27. Cedar Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2024-26 Projected Cost: \$2,028,400
 Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

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.

28. Chipman Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2024-26 Projected Cost: \$851,000
 Primary Funding Source: Bond, SAD Add Funding Source:

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.

29. Mason Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2024-26 Projected Cost: \$1,082,000
 Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

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

PUBLIC SERVICE PROJECTS

sewer; water main replacement from Saginaw to Dewey; altogether with related work items plus engineering fee.

30. Sanitary Sewer River Crossing west of M-52

| | | | |
|-------------------------|------------|---------------------|-------------|
| Project Year: | 2024-26 | Projected Cost: | \$1,500,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | ARPA |

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

31. 2025 Water Main Replacement

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2025-26 | Projected Cost: | \$1,412,450 |
| Primary Funding Source: | Water | Add Funding Source: | DWRF |

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

- Adams - Oliver to King
- Adams - Elizabeth to N. of Jennett
- Brandon - Summit to Dingwall
- Dingwall - Brandon to N. End
- Gilbert - Mason to Oliver

32. Clinton Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2025-27 | Projected Cost: | \$761,800 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water |

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.

33. Ball Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2025-27 | Projected Cost: | \$1,167,000 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRF |

PUBLIC SERVICE PROJECTS

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.

34. Broadway Avenue Rehabilitation ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2025-27 | Projected Cost: | \$338,000 |
| 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.

35. Monroe Street Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2025-27 | Projected Cost: | \$1,034,600 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRP |

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.

36. 2026 Water Main Replacement

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2026-27 | Projected Cost: | \$1,426,900 |
| Primary Funding Source: | Water | Add Funding Source: | DWRP |

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

Gould - Exchange to Oliver

Gould - Oliver to North

Jennett - M-52 to Adams

Oak - M-21 to Williams

Williams - Washington to Dewey

37. Ada Street Rehabilitation ON HOLD PENDING FUNDING

PUBLIC SERVICE PROJECTS

Project Year: 2026-28 Projected Cost: \$210,000
 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.

38. Campbell Drive Rehabilitation ON HOLD PENDING FUNDING

Project Year: 2026-28 Projected Cost: \$383,000
 Primary Funding Source: Bond, SAD 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.

39. Comstock Street Rehabilitation ON HOLD PENDING FUNDING

Project Year: 2026-28 Projected Cost: \$1,092,000
 Primary Funding Source: Bond, SAD 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.

40. Gould Street Rehabilitation ON HOLD PENDING FUNDING

Project Year: 2026-28 Projected Cost: \$465,000
 Primary Funding Source: Bond, SAD 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.

41. Huntington Drive Rehabilitation & Water Main Replacement ON HOLD PENDING FUNDING

Project Year: 2026-28 Projected Cost: \$448,000

PUBLIC SERVICE PROJECTS

Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

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.

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

Project Year: 2026-28 Projected Cost: \$1,290,000
 Primary Funding Source: Bond, SAD, Water Add Funding Source: Grant, DWRF

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.

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

Project Year: 2026-28 Projected Cost: \$728,000
 Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

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.

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

Project Year: 2026-28 Projected Cost: \$476,000
 Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

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.

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

Project Year: 2027-28 Projected Cost: \$2,169,000
 Primary Funding Source: Bond, SAD Add Funding Source: Water, DWRF

PUBLIC SERVICE PROJECTS

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, and water main replacement; altogether with related work items plus engineering fee.

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

| | | | |
|-------------------------|-----------|---------------------|-------------|
| Project Year: | 2027-28 | Projected Cost: | \$496,000 |
| Primary Funding Source: | Bond, SAD | Add Funding Source: | Water, DWRP |

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.

47. 2027 Water Main Replacement

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2027-28 | Projected Cost: | \$380,000 |
| Primary Funding Source: | Water | Add Funding Source: | DWRP |

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

Completed Projects

48. Cedar Street Rehabilitation – 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.

49. Sewer Rehab (Street Construction) COMPLETED 2020

PUBLIC SERVICE PROJECTS

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.

50. 2020 Water Main Replacement COMPLETED 2020

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

Description:
 S. Cedar - South to Hampton
 Cleveland - Chestnut to Brooks
 Lafayette - M-21 to Cleveland
 Robbins - Mack to S. End (DPW Project)
 Morris - Mack to N. End (DPW Project)

51. North Street Rehabilitation (Hickory to Gould) COMPLETED 2020

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, and storm sewer; altogether with related work items plus engineering fee.

52. 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.

53. Retaining Wall Replacement at City Hall COMPLETED 2021

PUBLIC SERVICE PROJECTS

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.

54. 2021 Water Main Replacement COMPLETED 2021

Project Year: 2022-23 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.

55. 2021 Chip Seal Contract #1 COMPLETED 2021

Project Year: 2020-21 Projected Cost: \$401,000
 Primary Funding Source: Act 51 Add Funding Source:

- Auburndale from Broadway to Alger
- 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

56. 2021 Chip Seal Contract #2 COMPLETED 2021

Project Year: 2021-22 Projected Cost: \$405,000
 Primary Funding Source: Streets 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

PUBLIC SERVICE PROJECTS

- 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

57. 2021 Crush and shape contract

COMPLETED 2021

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

Projected Cost: \$700,000
Add Funding Source: Streets

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

PUBLIC WORKS PROJECTS

1. Bucket Truck/Aerial Lift Purchase IN PROCESS

| | | | |
|-------------------------|------------|---------------------|-----------|
| 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.

2. Replace Carpet in Finance Wing of City Hall

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2021-22 | Projected Cost: | \$10,000 |
| Primary Funding Source: | General Fund | Add Funding Source: | |

Description: Replace carpet in 2nd floor east wing of City Hall.

3. Repair City Hall Front Steps

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2022-23 | Projected Cost: | \$18,000 |
| 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.

4. Public Works Building Improvements IN PROCESS

| | | | |
|-------------------------|--------------|---------------------|------------|
| Project Year: | 2021-22 | Projected Cost: | \$72,000 |
| Primary Funding Source: | General Fund | Add Funding Source: | Motor Pool |

Description: Replacement of insulated overhead doors in main building. Priority - High. Re-roof main building with steel sheeting, facility upgrades. Priority - Medium. Added storage facilitates. Priority - Low.

5. Replace Library Air Conditioners IN PROCESS

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2021-22 | Projected Cost: | \$33,000 |
| Primary Funding Source: | General Fund | Add Funding Source: | |

PUBLIC WORKS PROJECTS

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

6. Security and Accessibility Technology for City Hall IN PROCESS

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2021-22 | Projected Cost: | \$10,000 |
| Primary Funding Source: | General Fund | Add Funding Source: | |

Description: Place a panic button 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.

7. Administrative Cars (2)

| | | | |
|-------------------------|------------|---------------------|----------|
| Project Year: | 2022-23 | Projected Cost: | \$51,000 |
| Primary Funding Source: | Motor Pool | Add Funding Source: | |

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

8. Replace Library Heating Pipes

| | | | |
|-------------------------|--------------|---------------------|----------|
| Project Year: | 2026-27 | 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.

9. 4x4 Tractor – Mowing

| | | | |
|-------------------------|------------|---------------------|----------|
| Project Year: | 2022-23 | Projected Cost: | \$40,500 |
| Primary Funding Source: | Motor Pool | Add Funding Source: | |

Description: Scheduled replacement of existing unit.

10. Light Tower COMPLETE

| | | | |
|---------------|---------|-----------------|---------|
| Project Year: | 2022-23 | Projected Cost: | \$5,500 |
|---------------|---------|-----------------|---------|

PUBLIC WORKS PROJECTS

Primary Funding Source: Motor Pool Add Funding Source:

Description: Increased safety for crews while working in the dark.

11. Pickups 4x2 (3)

Project Year: 2022-23 Projected Cost: \$80,400
 Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing units.

12. Tandem Dump (2)

Project Year: 2022-23 Projected Cost: \$360,000
 Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing units.

13. Pole Barn Expansion

Project Year: 2022-23 Projected Cost: \$110,000
 Primary Funding Source: General Fund Add Funding Source:

Description: To increase heated storage for mobile equipment. This would be done by adding on to existing grey barn. Heating insulation and electrical all included and also adding more insulation to existing structure.

14. John Deere Mower Blower

Project Year: 2023-24 Projected Cost: \$28,000
 Primary Funding Source: Motor Pool Add Funding Source:

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

15. Wheel Loader (2)

Project Year: 2023-25 Projected Cost: \$750,000

PUBLIC WORKS PROJECTS

Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing units.

16. Heavy Service Truck

Project Year: 2023-24 Projected Cost: \$561,000
 Primary Funding Source: Motor Pool Add Funding Source:

Description: New piece of equipment for water utility service work.

17. 1/2 Ton Pickup

Project Year: 2024-25 Projected Cost: \$25,600
 Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing unit.

18. Purchase ¾ Pickups (2)

Project Year: 2024-25 Projected Cost: \$60,000
 Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing units.

19. Skid Steer w/ Attachments

Project Year: 2024-25 Projected Cost: \$90,667
 Primary Funding source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing unit.

20. Sewer Vactor Truck

Project Year: 2024-25 Projected Cost: \$600,000
 Primary Funding Source: Motor Pool Add Funding Source:

PUBLIC WORKS PROJECTS

Description: Scheduled replacement of existing unit

21. Purchase Leaf Vac Machine

| | | | |
|-------------------------|------------|---------------------|----------|
| Project Year: | 2025-26 | Projected Cost: | \$60,000 |
| Primary Funding Source: | Motor Pool | Add Funding Source: | |

Description: Purchase a leaf vac attachment for dump truck to improve annual leaf pickup service.

22. Street Sweeper

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

Description: Scheduled replacement of one of the city’s two Elgin sweepers.

COMPLETED/CANCELLED

23. 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.

24. Single Axle 5-yard Dump Truck COMPLETED

| | | | |
|-------------------------|------------|---------------------|-----------|
| Project Year: | 2020-21 | Projected Cost: | \$100,750 |
| Primary Funding Source: | Motor Pool | Add Funding Source: | |

Description: Scheduled replacement of existing unit

25. Tandem Axle 10-yard Dump Truck COMPLETED

| | | | |
|---------------|---------|-----------------|-----------|
| Project Year: | 2020-21 | Projected Cost: | \$152,000 |
|---------------|---------|-----------------|-----------|

PUBLIC WORKS PROJECTS

Primary Funding Source: Motor Pool Add Funding Source:

Description: Scheduled replacement of existing unit

26. 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

27. WACHS Valve Turner

COMPLETED

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

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

28. Hook Lift Bodies

CANCELLED

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

Projected Cost: \$17,000
 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: | 2020-21 | Projected Cost: | \$124,250 |
| Primary Funding Source: | DWRF Loan | Add Funding Source: | Water |
| SCADA Controls - Phase II | 2021-2022 | Project Cost | \$222,750 |
| SCADA Controls - Phase III | 2022-2023 | Project Cost | \$119,250 |
| SCADA Controls - Phase IV | 2022-2023 | Project Cost | \$292,250 |

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. Lagoon Security Fence

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2021-22 | Projected Cost: | \$40,400 |
| 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

3. Palmer No. 3 Well Rehab

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2021-22 | Projected Cost: | \$195,900 |
| Primary Funding Source: | Water | Add Funding Source: | None |

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.

4. 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

WATER TREATMENT PROJECTS

5. Standpipe and Booster Pump Station Rehab

| | | | |
|-------------------------|-----------|---------------------|-----------|
| Project Year: | 2022-23 | Projected Cost: | \$460,000 |
| 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.

6. Juniper Street Well – New Well Construction (Osburn Lakes Development Area)

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2022-23 | Projected Cost: | \$225,000 |
| Primary Funding Source: | Water | Add Funding Source: | None |

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.

7. WTP Main Power Transfer Switch Replacement

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

8. Portable Generator

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2022-23 | Projected Cost: | \$55,000 |
| Primary Funding Source: | Water | Add Funding Source: | None |

9. WTP Palmer 2 Rehab

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2022-23 | Projected Cost: | \$180,000 |
| 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.

10. WTP Filter Rehab (first floor only)

WATER TREATMENT PROJECTS

Project Year: 2025-26 Projected Cost: \$1,200,000
 Primary Funding Source: Water Add Funding Source: None

Description: Project Per comments in the 2021 Sanitary Survey

11. CO2 Distribution System Rehab

Project Year: 2023-24 Projected Cost: \$100,000
 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.

12. Induced Draft Aerator Rehab

Project Year: 2023-24 Projected Cost: \$40,000
 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.

13. West Elevated Tower Rehab

Project Year: 2023-24 Projected Cost: \$380,000
 Primary Funding Source: DWRP Loan Add Funding Source: Water

Description: Repaint the interior and exterior of the water tower. Includes mixer @ \$30,000. See comments above. Must include a security fence and gate.

14. Backwash Lagoon No.2 – New Lagoon

Project Year: 2023-24 Projected Cost: \$70,000
 Primary Funding Source: Water Add Funding Source: None

15. Backwash Lagoon No.1 Rehab

Project Year: 2023-24 Projected Cost: \$25,000
 Primary Funding Source: Water Add Funding Source: None

WATER TREATMENT PROJECTS

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

| | | | |
|-------------------------|---------|---------------------|-----------|
| Project Year: | 2023-24 | Projected Cost: | \$500,000 |
| Primary Funding Source: | Water | Add Funding Source: | None |

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

17. WTP River Crossing Raw Water Main Replacements

| | | | |
|-------------------------|---------|---------------------|-------------|
| Project Year: | 2023-24 | 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

18. Chlorine Distribution Tanks

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2024-25 | Projected Cost: | \$40,000 |
| 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.

19. Fluoride Distribution System

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2024-25 | Projected Cost: | \$27,000 |
| 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.

20. WTP Hintz Well Rehab

| | | | |
|-------------------------|---------|---------------------|----------|
| Project Year: | 2025-26 | Projected Cost: | \$40,000 |
| Primary Funding Source: | Water | Add Funding Source: | None |

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

21. WTP Osburn Well Rehab

| | | | |
|---------------|---------|-----------------|----------|
| Project Year: | 2026-27 | Projected Cost: | \$40,000 |
|---------------|---------|-----------------|----------|

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.

22. WTP Well Rehab (2)

Project Year: 2026-27 Projected Cost: \$80,000
 Primary Funding Source: Water Add Funding Source: None

Description: Project to include well inspection and rehab.

23. WTP Reservoir Design/Rehab/Replacement

Project Year: 2027-28 Projected Cost: \$2,500,000
 Primary Funding Source: Water Add Funding Source: None

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

24. Hintz Well Phase II – New Well

Project Year: 2027-28 Projected Cost: \$185,000
 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.

25. No. 1 High Service Pump and Controls

Project Year: 2027-28 Projected Cost: \$52,000
 Primary Funding Source: Water Add Funding Source:

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

WATER TREATMENT PROJECTS

COMPLETED

- | | |
|---|---------------------------|
| 26. 16" High Service Pipe Replacement | Completed |
| Project Year: 2020-21 | Projected Cost: \$479,000 |
| Primary Funding Source: DWRP 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. | |
| | |
| 27. Filter Backwash Pump, VFD, and Controls | Completed |
| Project Year: 2020-21 | Projected Cost: \$460,000 |
| Primary Funding Source: DWRP Loan | Add Funding Source: Water |
| Description: Replace existing 1940 backwash pump with new unit and add redundant unit with controls. | |
| | |
| 28. WTP Well No. 1 Rehab | Completed |
| Project Year: 2021-2022 | Projected Cost: \$40,000 |
| Primary Funding Source: Water | Add Funding Source: None |

WASTEWATER TREATMENT PLANT PROJECTS

1. East Roughing Tower Pump

| | | | |
|-------------------------|------------|---------------------|----------|
| Project Year: | 2021-22 | Projected Cost: | \$20,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | |

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

2. Sludge Dewatering Compactor/Screw Press

| | | | |
|-------------------------|-----------------|---------------------|-------------|
| Project Year: | 2022-23 | Projected Cost: | \$4,000,000 |
| 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.

3. Pump and Motor Replacement

| | | | |
|-------------------------|------------|---------------------|-----------|
| Project Year: | 2021-27 | Projected Cost: | \$140,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | |

Description: Repair/replace miscellaneous process pumps/motors on an annual basis.

4. Main Building Roof Replacement

| | | | |
|-------------------------|----------------------|---------------------|-----------|
| Project Year: | 2022-23 | Projected Cost: | \$398,000 |
| 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.

5. Administration Building Rehab

| | | | |
|-------------------------|------------|---------------------|-----------|
| Project Year: | 2022-25 | Projected Cost: | \$400,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | |

WASTEWATER TREATMENT PLANT PROJECTS

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.

6. Tertiary Pump Replacement

| | | | |
|-------------------------|------------|---------------------|----------|
| 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

7. Nitrification Tower Replacement (3) and Membrane System

| | | | |
|-------------------------|-----------------|---------------------|--------------|
| Project Year: | 2023-24 | Projected Cost: | \$10,000,000 |
| 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 secondary clarifiers and sand filters with membrane system.

8. 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

9. 10-Yard Tandem Dump Rehab. Used for Bio-solids Hauling

| | | | |
|-------------------------|------------|---------------------|----------|
| Project Year: | 2023-24 | Projected Cost: | \$65,000 |
| Primary Funding Source: | Wastewater | Add Funding Source: | |

WASTEWATER TREATMENT PLANT PROJECTS

Description: Replace engine, as body & chassis is good condition at this time

10. Electrical/Instrumentation Rehab

Project Year: 2026-27 Projected Cost: \$1,000,000
 Primary Funding Source: Wastewater Add Funding Source:

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

11. SCADA System

Project Year: 2026-27 Projected Cost: \$900,000
 Primary Funding Source: Wastewater Add Funding Source: Grant

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.

Completed/Cancelled

12. 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.

13. Screw Pumps (3) COMPLETED

Project Year: 2020-21 Projected Cost: \$1,200,000

WASTEWATER TREATMENT PLANT PROJECTS

Primary Funding Source: SRF Loan, Grant Add Funding Source:

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

14. Secondary Clarifier Replacement

Project Year: CANCELLED Projected Cost: \$3,000,000
Primary Funding Source: Wastewater Add Funding Source: Grant



Description: Purchase/construction of secondary clarifiers. 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. Consulting engineers and mechanical contractors would be necessary for design and construction.

NOTES: If the City goes with the current plan of installing the membrane filtration system, there is no need for this project. Secondary clarifiers will not be a necessary part of our process. The existing clarifiers will need to be demolished at some point.





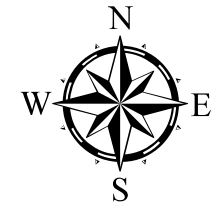
City of Owosso 2022 Street Improvement and Water Main Projects

Project Locations

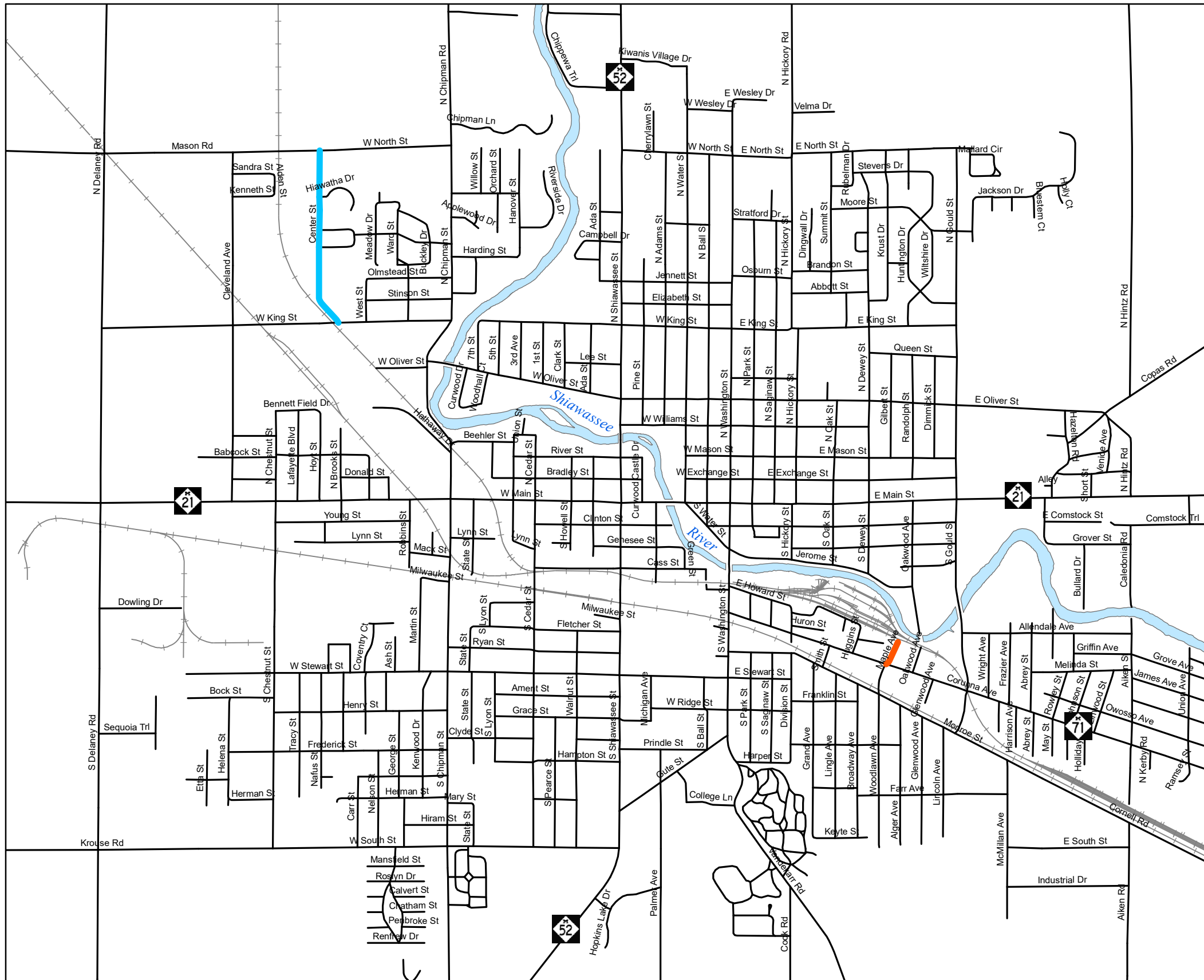
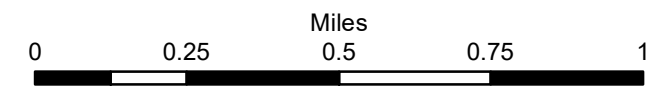
-  2022 Street Improvement
-  2022 Water Main Replacement

Other Features

-  Streets & Roads
-  Railroads






Map updated 2 December, 2021







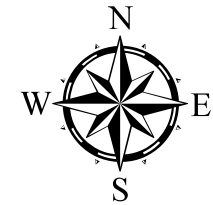
City of Owosso 2023 Street Improvement and Water Main Projects

Project Locations

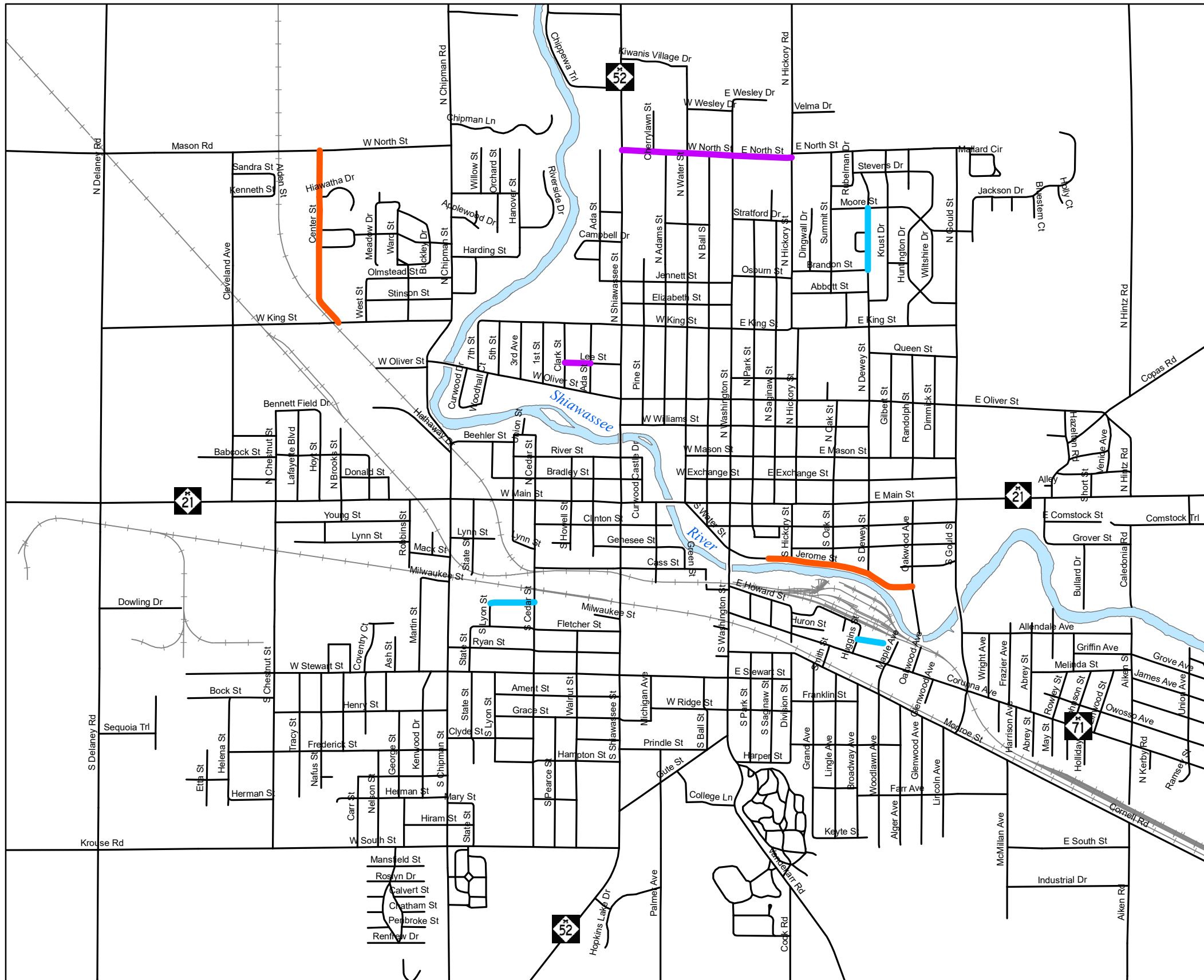
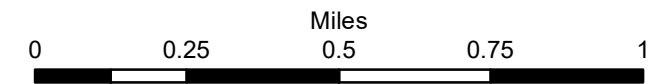
-  2023 Street Improvement
-  2023 Water Main Replacement
-  2023 Street and Water Main

Other Features

-  Streets & Roads
-  Railroads





Map updated 2 December, 2021







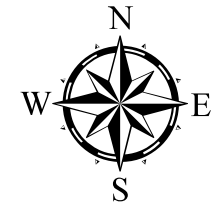
City of Owosso 2024 Street Improvement and Water Main Projects

Project Locations

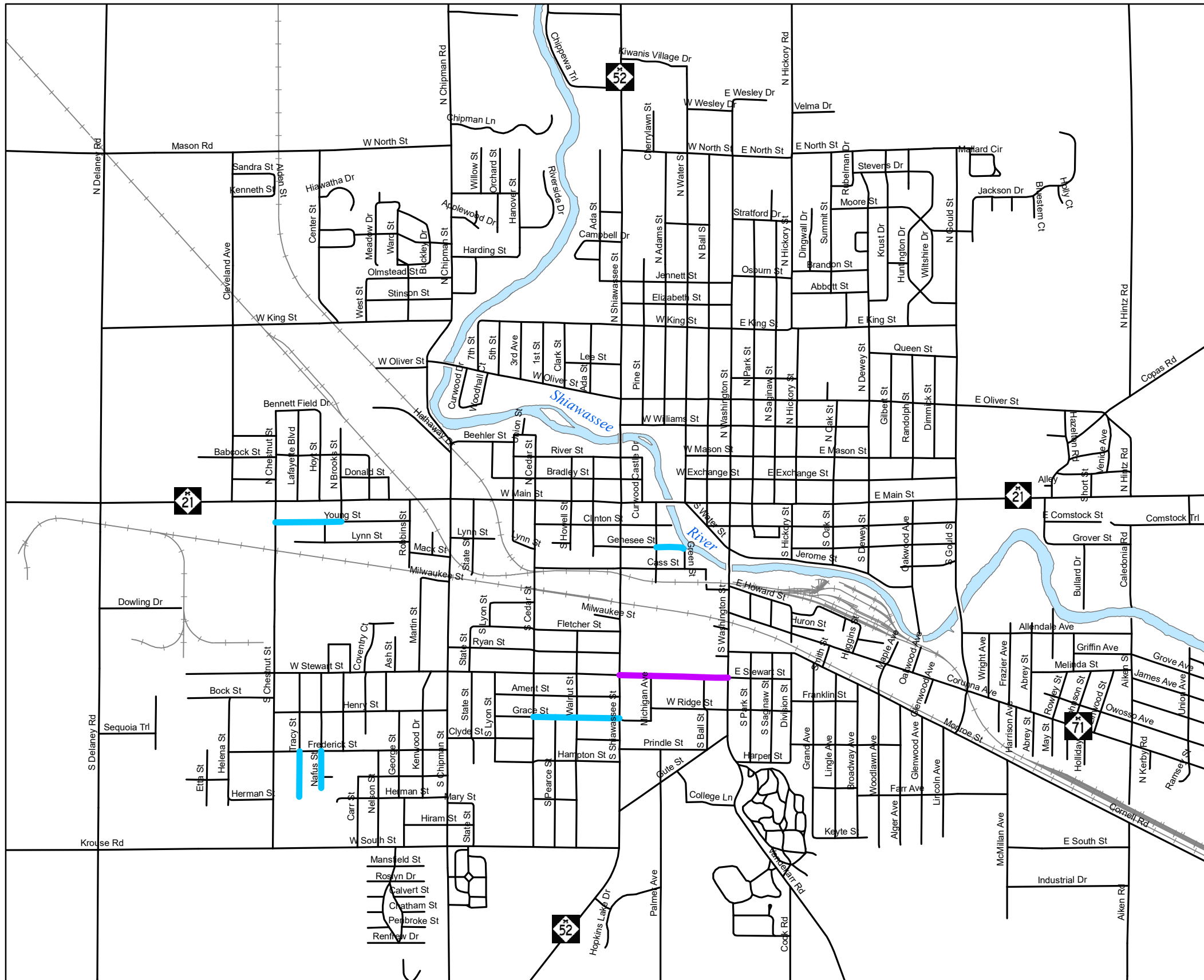
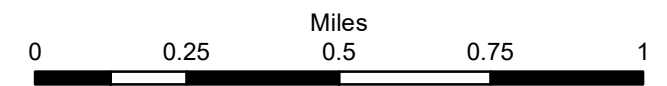
-  2024 Water Main Replacement
-  2024 Street and Water Main

Other Features

-  Streets & Roads
-  Railroads



Map updated 2 December, 2021





City of Owosso 2025 Street Improvement and Water Main Projects

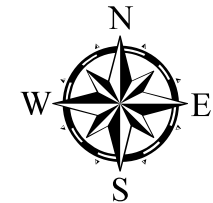
Project Locations

 2025 Water Main Replacement

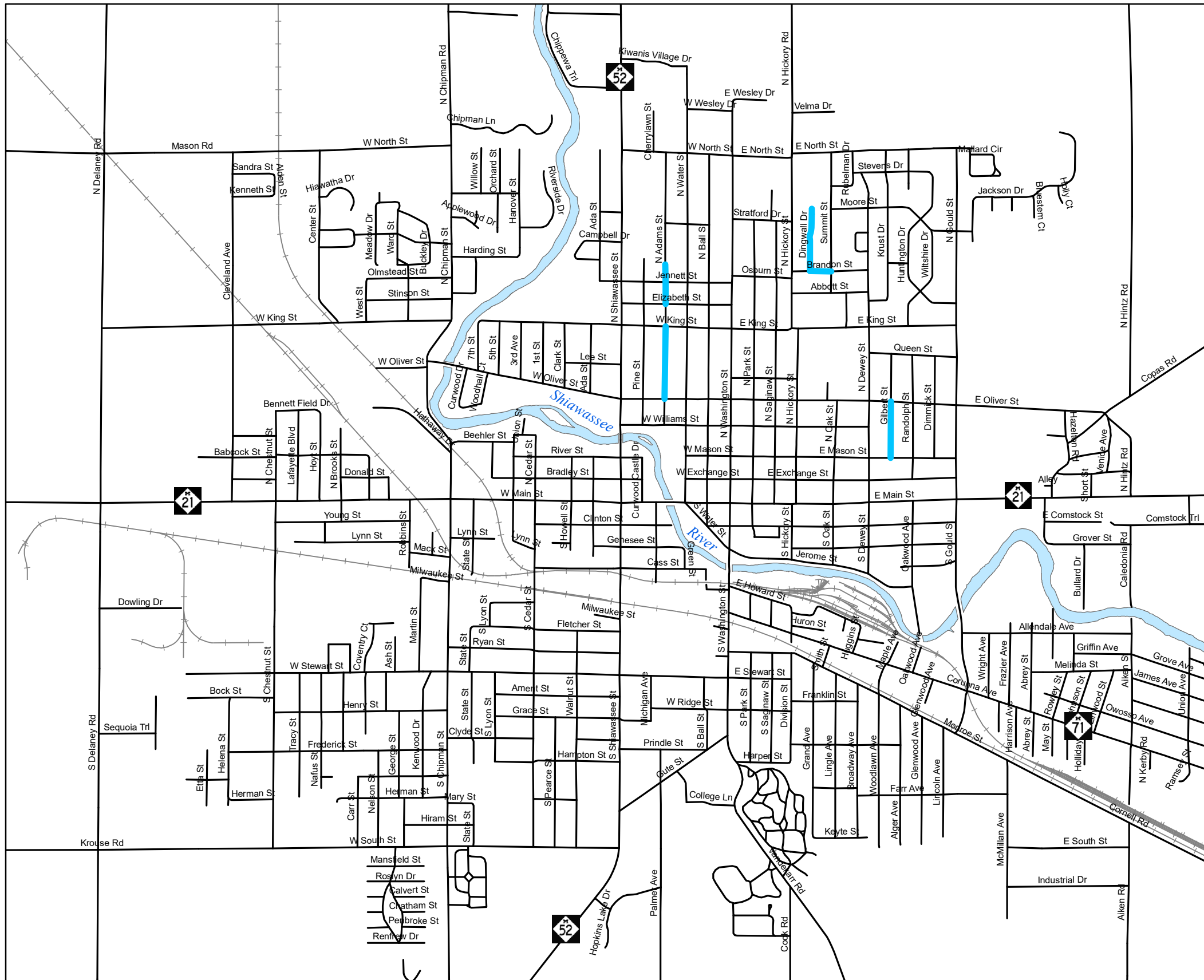
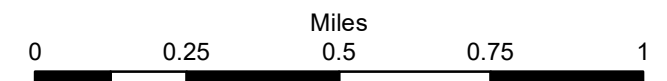
Other Features

 Streets & Roads

 Railroads



Map updated 2 December, 2021





City of Owosso 2026 Street Improvement and Water Main Projects

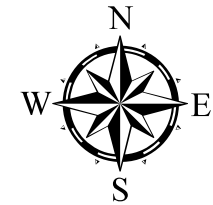
Project Locations

 2026 Water Main Replacement

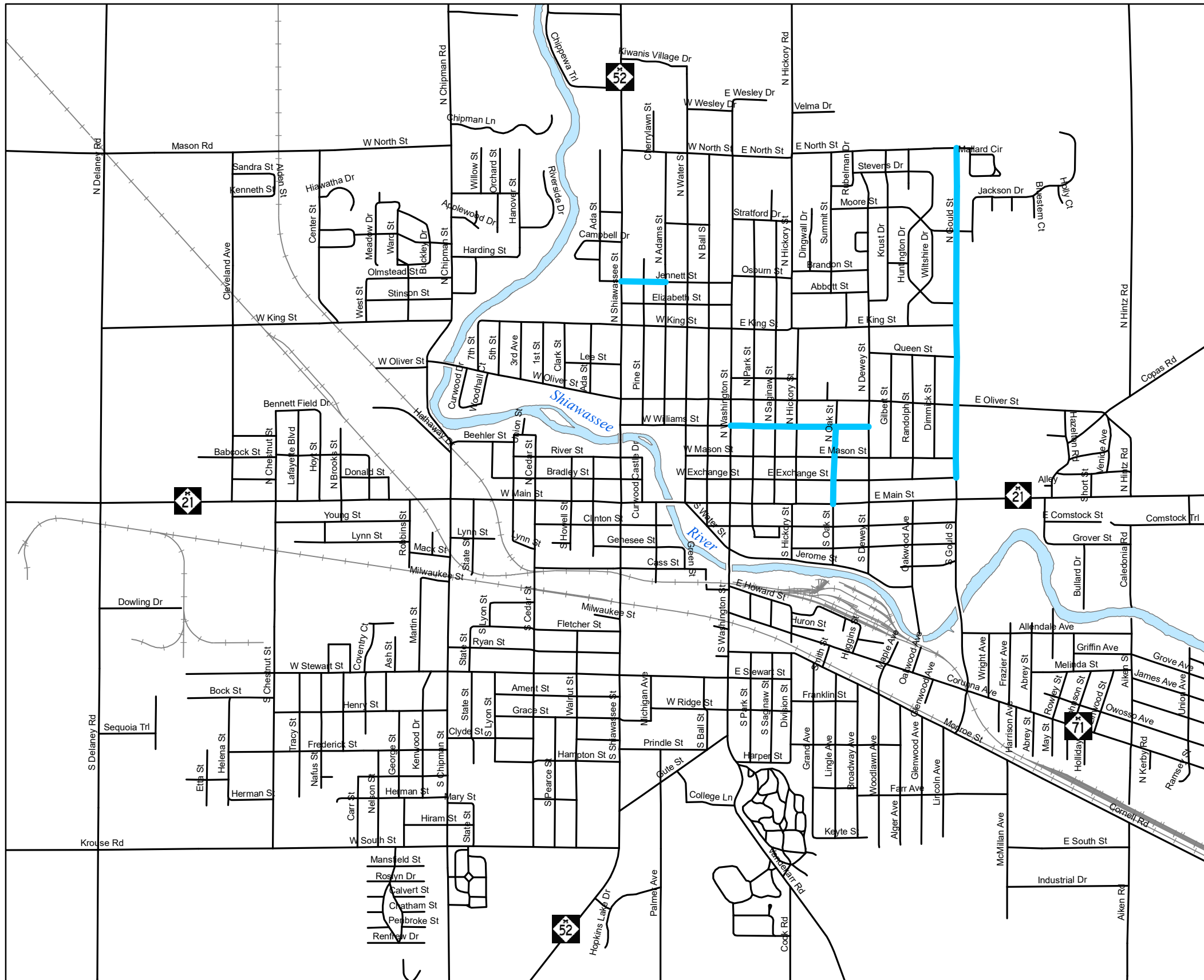
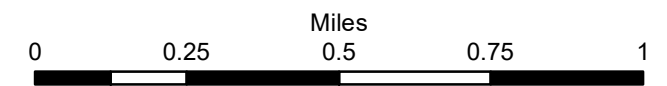
Other Features

 Streets & Roads

 Railroads



Map updated 2 December, 2021





City of Owosso 2027 Street Improvement and Water Main Projects

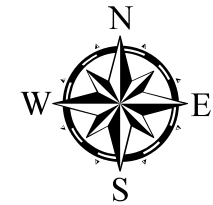
Project Locations

 2027 Water Main Replacement

Other Features

 Streets & Roads

 Railroads



Map updated 2 December, 2021

