CAPITAL IMPROVEMENTS PLAN

CITY OF AMES, IOWA

2024-2029

CITY OF
Ames™

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2024-2029

A VERY BUSY YEAR

Anyone looking for a city with lots of activities and events would be impressed by Ames in 2023! Our community planned, organized, and hosted a year of diverse, entertaining, and well-attended options. Celebrating together fosters connections with each other and cultivates public pride. This past year showcased Ames, its neighborhoods, parks, facilities, and people.

City of Ames opportunities like the **Smart Business Challenge Luncheon,** the **Boards and Commissions Annual Appreciation Luncheon,** and our **City Employee Appreciation Luncheon** started the year. As the weather warmed, the activities flourished. **Spring clean-up** events were held around Earth Day. The **Bike-to-Work Week Breakfast** in May provided dedicated cyclists an opportunity to snack and chat with City Councilmembers. This was followed by the **Mayor's Bike Ride,** which attracted more the 75 riders for a 10-mile loop around the community and frequent stops to provide project updates.

Into the warmer months, the events really ramped up with parades, picnics, and pool parties. The Ames **Municipal Band concerts** and **City Council Night at the Bandshell** provided hundreds of attendees with evening entertainment including watching the band play under colored lights.

Summer events culminated with the 50th anniversary stop of the **Register's Annual Great Bicycle Ride Across Iowa** at the end of July. Thousands of cyclists, support vehicles, charter buses, and visitors from around the country journeyed to Ames, rode their bicycles through Jack Trice Stadium, camped at a local park (or had a homestay visit), before packing up and heading out en masse the next morning. The events continued with **Rummage RAMPage,** the week-long community garage sale at the Ames Intermodal Parking Ramp, and the return of Iowa State University students in August.

The **EcoFair** returned in the fall to the City Hall parking lot with exhibits, booths, live music, food trucks, and more. Hundreds of attendees learned more about energy reduction tips, City rebates, and ways to become more sustainable. The **Great Pumpkin Disposal** program diverted 23,300 pounds of food waste from the landfill.

Whatever the season, Ames experienced an exciting, enthusiastic, and event-filled year. While the community was busy in 2023, it looks as though 2024 is shaping up to be even more fun!

July 1, 2024

Mayor and Ames City Council Members,

Attached is the five-year Capital Improvements Plan (CIP) for fiscal years (FY) 2024/25 through 2028/29. The Plan calls for expenditures of $294,805,926 supported by various funding sources over the next five years.

The Capital Improvements Plan reflects the financing, location, and timing of a permanent structural change to a City property or asset that prolongs the asset's life, increases its value, or enhances its capabilities. To assist you in better understanding the major projects included in the attached CIP, I am providing the following highlights:

Expenditures:	
Public Safety	$2,686,510
Utilities	138,437,000
Transportation	124,190,289
Culture & Recreation	28,242,127
Community Development	875,000
General Government	375,000
Total	**$294,805,926**

Funding Sources:	
Electric Utility	$20,728,300
Water Utility	20,188,000
Sanitary Sewer Utility	13,481,000
Stormwater Utility	9,400,000
Resource Recovery	1,933,000
Transit Capital Reserve	5,898,030
Airport Improvement Fund	600,000
Ice Arena Capital Reserve	145,000
Outside Funding (federal & state grants & donations)	80,111,315
Debt (GO Bonds and State Revolving Loans)	142,321,281
Total	**$294,805,926**

It is Time to Catch up on Projects!

Faced with tightening budgets, many cities cannot, or choose not to, pursue maintenance, repairs, and/or upgrades to their public infrastructure. In fact, often, these projects are the first to be cut from the budget. Fortunately, the Mayor and Ames City Council realize delaying these projects will only result in even higher costs to our residents in the future if we wait until they fail before the necessary corrective action is taken. Consequently, our CIP has traditionally included a robust list of improvements to our public infrastructure.

Unfortunately, factors outside of our control have delayed the implementation of many projects approved in prior CIPs, resulting in costs that exceed our originally budgeted amounts. Rising interest rates, supply chain delays, and a shortage of skilled labor have resulted in higher-than-expected bids, forcing us to delay moving ahead with a number of projects in a timely manner. **Therefore, a common theme in the CIP is a significant amount of carryover funding for capital improvement projects that were not completed in prior years as planned. Given the large amount of carryovers, you will note in some programs that funding in the initial years of the CIP has decreased compared to previous years. This strategy is being recommended to allow time for departments to catch up by completing projects previously approved but delayed. This strategy also entails delaying some projects already scheduled in the CIP and/or introducing limited projects in the Plan in order to free up funding to accommodate the new estimated cost increases for the highest-priority projects.**

Public Safety - $2,686,510

Fire - $2,686,510

Fire Apparatus Replacement Program – Engine #2 (page 9) will allow for the purchase of a new frontline apparatus as a replacement for an existing apparatus which will have exceeded its projected useful life by the second year of the Plan. The existing Engine #2 will then be refurbished, gaining an additional ten years to serve as a reserve unit.

Since the addition of a fourth fire station in the community is dependent on how far and how fast the city expands in accordance with our Ames 2040 Plan, it is difficult at this time to project when this facility will be needed. However, because the projected delivery times for a fire engine currently can be as long as 40 months, the **Fire Apparatus Replacement Program - Engine #4** (page 11) is being introduced in the fifth year of the CIP. This required purchase will be delayed or advanced based on the timing of the construction of a fourth fire station.

Utilities - $138,437,000

Electric - $21,910,000

Over the next five years of the Plan, $2,625,000 will be earmarked for improvements to the Transmission System, $7,020,000 for the Distribution System, and $9,865,000 for our Production system. This proactive investment will help ensure that this critical utility will continue providing low-cost, reliable electricity to our customers.

Two projects included in the CIP are in response to the City Council's Climate Action Plan goal of reducing the carbon emissions in the community by 71.9% by 2030. The **Advanced Metering Infrastructure** project (page 17) will modernize our metering system to allow for load management of our peak demand, outage identifications, remote disconnection capabilities, and time-of-day rates that incentivize usage during off-peak hours.

To promote the transition to electric vehicles, the infrastructure must be in place to accommodate the needs of the owners. While we are seeing various private sector entities installing electric vehicle charging stations throughout the city, the **Electric Vehicle Infrastructure** project (page 18) will allow the City to do its part in facilitating this transition by installing at least five fast chargers and ten Level 2 chargers in the community over the life of the CIP.

Three of the projects, the **Refuse Derived Bin Renovation** (page 32), **Units 5 and 6 Boiler Removal** (page 34), and **Coal Yard Reclamation** (page 36); are dependent on a decision by the City Council regarding the future of solid waste collection and disposal.

Of the 21 projects included in the Electric Services CIP, 14 have either been delayed because of material deliveries or have experienced cost increases over previous CIP estimates. The **Fiber Optic Hardware Replacement** (page 21) is the only new project being recommended over the next five years. This hardware serves as the communication link to our substations and is reaching the end of its useful life. Locating replacement parts for the original components has become problematic.

Water Utility - $36,741,000

The Water System Improvements program (page 59) represents the largest single project investment of $13,250,000 in the Water Utility. Over the next five years, aged cast iron mains in our older neighborhoods will be replaced with larger 12" mains to eliminate rusty water problems, provide increased water pressure for fire protection, and improve the lack of looping needed to provide redundancy during a main break.

The following three new projects are being introduced for the first time in this CIP:

1) The **Technical Services Complex Addition** (page 39) will allow for needed renovations to the building that houses the Laboratory Services and Water Meter Divisions. Included in this work will be improvements for a larger conference room, additional office space, a kitchenette, restrooms, a first aid/lactation room, garage/storage areas, and the addition of an elevator.

2) The **New Pumps and Drives at Water Treatment Plant** project (page 49) will add two new high-service variable frequency drives to the pump station. This equipment will allow the pumps to operate below their maximum speed, which allows the ability to match the water demand of the customers.

3) The **Mortensen and County Line Elevated Tank Repainting** project (page 50) calls for the repainting of this water tank that was placed into service in 2003. With an expected 20-year life for the original painting, it is time to plan for this work in the CIP.

Physical and Cyber Security Improvements (page 46) remain a high priority for this critical utility. The current Plan focuses on physical security items such as exterior fencing and interior access control improvements.

The **Prairie View Industrial Center Elevated Tank** project (page 47) is once again being delayed because of the slower-than-anticipated development in this area. The $11,429,000 expenditure for a new one-million-gallon water tower will be advanced or delayed in future CIPs depending on the pace of growth in the industrial area.

In accordance with a recently completed physical security assessment from the Department of Homeland Security, the **Well Field Standby Power** project (page 44) will provide standby electrical power to selected water wells at the Hunziker Youth Sports Complex. This initiative will help ensure the continuation of our water service during an electric outage.

Sanitary Sewer Utility - $66,853,000

The **Nutrient Reduction Modifications** project (page 52) represents the most costly project ever undertaken by the City. According to a special condition of our WPC Plant's discharge permit issued by the Iowa Department of Natural Resources, the City must convert the Plant to a biological nutrient removal system. The most recent cost estimate for this project is $110,350,000. Unfortunately, given the increase in interest rates required to debt finance this conversion, the estimated cost has increased from the $77,900,000 total reflected in the previous CIP.

To meet this mandate, the project will be divided into two phases. Phase I is reflected in this five-year plan, with work scheduled for FY 2024/25 and FY 2025/26 at an estimated cost of $52,000,000. The remaining work will be accomplished in Phase II, which is scheduled to begin in FY 2035/36 at an estimated cost of $58,350,000.

In order to maintain the same sanitary sewer rate increases previously projected for the next five years in the face of a 41% cost increase in the Nutrient Reduction Modifications project, the funding for the reconstruction of sanitary sewer lines and manholes is being substantially decreased in the **Sanitary Sewer System Improvements** program (page 61). This is one of the areas mentioned previously where, because there is substantial funding ($12,000,000) being carried forward as a result of delays in accomplishing previously approved projects, there will be funding available to accomplish the work of the department in the next five years.

In addition, to continue the positive impact on our rivers and streams, the CIP includes the continuation of the **Watershed-Based Nutrient Reduction** program (page 54). The benefits of this program include flood risk reduction, drought risk reduction, increased recreational opportunities, improved wildlife habitat, better urban stormwater management, and enhanced drinking water protection.

The **Cogeneration System Maintenance** project (page 53) will allow for the construction of a new fats, oils, and grease receiving station at the WPC Plant, thereby improving the City's ability to accept food waste that currently is being diverted away from the Resource Recovery Plant. This food waste will be anaerobically digested at the WPC Plant to produce methane that can be used to produce electricity to operate the Plant. Thus, the project helps achieve the Council's goal in the City's Climate Action Plan to reduce waste emissions.

Stormwater Utility - $11,000,000

Support for stormwater projects remains a high priority for our residents as evidenced by the responses reflected in our Annual Resident Satisfaction Survey. Our residents are concerned that, as our city expands and more land is covered with impervious surfaces, their properties will be subject to inundation from overland or river flooding.

This commitment to addressing these stormwater runoff concerns is accomplished in the **Stormwater Erosion Control** program (page 64) which stabilizes areas eroded by waterways, the **Stormwater Improvement** program (page 65) that repairs deteriorated pipes and intakes, the **Low Point Drainage Improvements** program (page 66) that concentrates on residential areas impacted by localized flooding or standing water, the **Stormwater Quality Improvements** program (page 67) that includes water quality and treatment techniques that remove sediment before they enter the waterways, and the **Stormwater Detention/Retention Maintenance** program (page 68) that performs long-term maintenance on stormwater quantity retention facilities in the community.

The **South Skunk River Improvements** project (page 69) will address the final recommendation from a comprehensive Flood Mitigation Study that was completed following the floods of 2010 and 2013. In order to improve the conveyance of water through the city and reduce flooding along the South Duff commercial area, the stream restoration project along Ioway Creek under the South Duff bridge was recently completed. Next year, the IDOT intends to solicit bids to widen the Highway 30 bridge. The final step involves a City project scheduled in FY 2027/28 to increase the capacity of the Southeast 16th Street bridge to convey water flow as well.

Resource Recovery Utility - $1,933,000

Developing a five-year plan for the Resource Recovery Utility is very difficult this year. Since its inception in the mid-1970s, the City of Ames has gained national recognition for its progressive approach to processing garbage collected in Story County so that most waste is burned as an alternate fuel source in our municipal electric power plant. This process substantially reduces the amount of materials that must be landfilled. Because the facility continues to age, other technologies are now available, and the economics of the operation have changed, the City Council has asked staff to present options for the next generation of our efforts to deal with municipal solid waste. Given the uncertainty at this time, the **Resource Recovery System Improvements** program (page 71) was created assuming status quo over the next five years. At this point, it is safe to expect that this program will be revised next year to reflect the inevitable changes that will be made regarding how we will be handling waste disposal.

Transportation - $124,190,289

Streets and Traffic Flow Improvements - $76,533,000

Over the years, the Annual Resident Satisfaction Survey results have told us that our residents' two highest priorities for CIP projects are streets and traffic flow improvements. To this end, the CIP includes $56,105,000 for street improvements, $3,150,000 for street rehabilitation activities, and $17,278,000 for traffic flow enhancements.

Street Improvement projects include the widening and/or total reconstruction of existing roadways throughout the City (pages 75 - 85). Of the eleven projects dedicated to street improvements, ten remain unchanged from the previous CIP and no new projects have been added. In addition, one project, Right-of-Way Restoration (page 82), reflects no new funding included in FY 2024/25 to allow time to catch up using sufficient carryover monies to complete needed projects in that year.

Traffic Flow projects (pages 92 - 97) include intersection work focusing on the Grand Avenue corridor as well as the installation of replacement traffic signals when their useful life has expired or new traffic signals when an analysis indicates they are justified.

Street Rehabilitation projects (pages 99 - 102) are dedicated to proactive surface restoration techniques that are intended to prolong the life of a street before it needs a more costly and lengthy reconstruction. The work will include patching, slurry seal sealing, and joint sealing.

This CIP continues the City Council's commitment to fostering an inclusive community with the **Accessibility Enhancements** program (page 95). This annual program combines sidewalk and pedestrian ramp improvements with additional accessibility upgrades at traffic signals and city parking lots to bring these facilities into compliance with the Americans with Disabilities Act.

One new project included in this CIP is the **Lincoln Way Bridge Replacement** (page 102). The Iowa Department of Transportation requires an inspection of all city bridges every two years. The last inspection indicates that we should begin planning to replace this bridge with design work in FY 2028/29 and construction in FY 2029/30. Should a future inspection reveal accelerated deterioration in this structure, this project will be advanced in the CIP.

Many of the complaints we receive from our residents are centered on a frustration with delays in traffic flows along our busiest arterial streets. The new **Intelligent Transportation System** program (page 92) is expected to alleviate these concerns. This new system will allow for real-time optimization of traffic and pedestrian flow at signalized intersections. The CIP includes funding to complete the installation of this new system by FY 2026/27 so that improved traffic flow will be realized along the Duff Avenue, South 16th Street, Grand Avenue, 13th Street, and Lincoln Way corridors.

Shared Use Path System - $5,880,000

A robust shared use path system is not only consistent with the City's Climate Action Plan because it offers a multi-modal alternative to vehicular transportation, but also provides a popular recreational amenity desired by many of our residents. Recognizing these benefits, the City Council has established a goal to invest a minimum of $1,200,000 per year in improvements to our path system.

The five-year plan includes construction of new path segments in the **Shared Use Path System Expansion** program (page 88); installation of improvements to the existing system for crossing visibility, on-street bike lanes, and sharrows in the **Multi-Modal Roadway Improvements** (page 89); and repairs to existing paths in the **Shared Use Path Maintenance** program (page 90). These programs, coupled with a new path segment that will be incorporated in the **South 16th Street Roadway Widening** project (page 75), reflects total expenditures of $6,868,200 over the five years of the CIP, or an average of $1,373,640 per year.

Transit - $20,103,289

In an effort to decrease the average age of our fleet and increase the number of battery-powered electric buses to reduce our carbon emissions, most of the funds committed to CyRide in the CIP are devoted to **Vehicle and Replacement and Rehabilitation** (page 104). Over the next five years we plan to replace twenty-seven vehicles by purchasing nineteen new 40-foot buses, three battery electric buses, and five administrative vehicles.

Our 40-year-old CyRide facility is reaching the extent of its useful life and is in need of major repairs and expansion. To respond to these needs, the **CyRide Facility Improvements** program (page 105) will result in the upgrading of fire suppression capabilities, concrete replacement, fueling system upgrades, and planning for an addition to the facility.

Various equipment needs will be addressed in the **CyRide Shop and Office Equipment** program (page 107). An effort will also be made to upgrade our bus stops to enhance the passenger experience in the **Bus Stop Improvements** program (page 108).

Continuing the commitment to offer updated technology to assist our passengers, the **CyRide Technology Improvements** program (page 106) will invest in new systems that improve efficiency and the ride experience for passengers with disabilities. Interior signs displaying upcoming stops will be expanded into additional buses.

Airport - $21,674,000

A recently completed Master Plan for the James H. Banning Airport served as a guide for the projects designated for this City facility. The reconstruction of the deteriorated entry road is planned for FY 2024/25, as shown in the **Airport Entryway Improvements** program (page 111). The **Airport Airside Improvements** program (page 110) will focus on resurfacing the Runways 01/19 and 13/31 as well as Taxiways A and B. Finally, the **Airport Facility Improvements** program (page 112) will allow us to make drainage improvements on the grounds, replace our aging fuel farm, relocate the weather station, and demolish the old terminal building.

It should be noted that of the $21,674,000 earmarked for these Airport improvements, non-property tax revenue of $18,064,000 is anticipated to be received from user fees and state and federal grants to fund this work.

Culture and Recreation - $28,242,127

Historically, we have devoted approximately $900,000 each year from our Local Option Sales Tax receipts to fund various improvements in our park system in lieu of issuing G.O. Bonds. This "pay as you go" strategy saves our residents money by avoiding interest costs associated with debt financing. **You will note after reviewing the projects in this section that the number of projects identified over the next five years has decreased, yet the amount of Local Option Sales Tax revenue remains the same**. Because of a backlog of projects as well as the significant increase in the estimated costs of previously approved projects, we feel catchup time is needed before adding many new projects. At the same time, the total revenue requirements must remain the same to cover increased costs.

Parks and Recreation – $28,044,823

The latest cost estimate for the **Fitch Family Indoor Aquatics Center** (page 115) is $32,100,694. Much of the preliminary work on this project ($10,224,067) including environmental testing, land acquisition, design, soils testing, and land surveying was accomplished in the previous four years. This CIP reflects the final two years of the project in FY 2024/25 and FY 2025/26 for construction, purchase of equipment and furniture, and pollution remediation/mitigation, if necessary, at a cost of $21,876,627.

A new community **Splash Pad** (page 118) at Daley Park is scheduled for construction in FY 2024/25. With a final decision by the City Council to support its sustainability goals through the utilization of a recirculation system rather than passing the water used at this facility directly into the sewer system, an additional $556,036 is needed in FY 2024/25 to install a disinfection system, balance tank, and recirculation pumps. In addition, the State Department of Health requires that this type of system have additional restrooms/showers. Not only is this recirculation system more environmentally friendly, but it will also result in lower annual water and sewer operating costs.

The City Council's goal of creating an inclusive community will be furthered with investment in the **ADA Transition Plan Improvements** project (page 120). A thorough assessment of our park system and facilities was completed in FY 2022/23. This program will provide funding to begin implementing the Plan to better serve residents of all abilities and comply with the ADA Standards for Accessible Design.

One of our most popular parks, **Ada Hayden Heritage Park,** (page 121) will receive attention through the widening and the repaving of the path system with concrete over the first two years of the CIP. In order to create a more child-friendly fishing location, the pond located at the northwest section of the park on the Upland Trail will be dredged, and a fishing dock, solar aerator, and path around the pond will be added.

An important connection along our multi-use path system will be completed in **Moore Memorial Park** (page 123) where a bridge will be constructed linking the current path in the park with the land west of Ioway Creek. Ultimately, this new linkage will allow for a connection along Scholl Road to Ontario Street path.

This **Ames/ISU Ice Arena** (page 122) is over twenty-two years old. Therefore, the CIP addresses the need to replace or overhaul major systems in the facility such as the compressor and water heaters.

One major project has been inserted into the CIP for the **Homewood Golf Course** (page 124) to replace the bridge on Hole #9. This structure was originally designed for walking golfers. With the introduction of motorized carts on the course, the bridge will be redesigned and constructed to accommodate heavier vehicles.

Library - $47,304

The Ames Public Library was renovated and expanded in 2014. Because of the extensive use of this facility, the CIP includes funding for the **Library Carpet Replacement** project (page 127) to complete the replacement on both levels of the Library, which will begin in FY 2023/24.

Cemetery - $150,000

Funding in the **Cemetery Improvements** program (page 129) over the next five years will be directed to replacing the perimeter fence at the Ontario Cemetery and purchasing three additional columbaria to meet the growing demand for this option.

Community Development - $875,000

The CIP continues the City Council's commitment to residential and commercial neighborhoods. In support of this priority, the **Neighborhood Improvement Program** (page 139) provides grants for physical improvements requested by residents in their neighborhood and facilitates interactions among the residents as they participate in the construction of the improvements. In addition, the **Downtown** (page 137) and **Campustown** (page 138) **Façade** programs provide grants for physical improvements that enhance the appearance and usability of the structures in these critical commercial areas.

General Government - $375,000

Funding is also included in the CIP for the **City Hall Improvements** program (page 143). Funding in this program will be used for repairs and renovations to City Hall beyond the scope of the Facilities operating budget.

Prioritization of New Projects

Now that the Fitch Family Indoor Aquatic Center is underway, it is time for the City Council to prioritize five new major projects for consideration for the FY 2025/26-2029/30 CIP. All five of the following projects may require a public referendum and debt financing that will likely impact property taxes. The projects, in alphabetic order, are**:**

Animal Control Shelter – New The existing facility is overcrowded and inadequate.

Fire Station #2 - Relocation
Relocating this facility to State Avenue will improve overall response times and eliminate the safety concerns caused by emergency vehicles entering and leaving a very congested area on Welch Ave.

Fire Station #4 - New
As the City expands in accordance with the Ames 2040 Plan, a new fourth station will be needed to maintain adequate emergency response times**.** The exact timing of the need for an additional station will depend on the pace of the City's growth.

Indoor Recreation Center - New
A new facility with indoor basketball courts, soccer field(s), and a running/jogging track can be justified to meet the desires of our residents, youth and adults alike.

Ontario Park Development - New
With the purchase of 50 acres in west Ames along Ontario Road, there is a need to develop this property with trails, shelters, restrooms, bridges, and recreation facilities.

Special Thanks!

As always, I want to thank our Department Heads and their management team members for identifying those projects that are needed for us to continue to provide exceptional service to our residents and, by being proactive, for helping us avoid more costly projects in the future.

Special recognition should also be given to Corey Goodenow, Finance Director, Nancy Masteller, Budget Manager, Brian Phillips, Assistant City Manager, and Amanda Polin, Finance Department Secretary for their excellent work in reviewing, compiling, and formulating the financial plan for this document.

Sincerely,

Steven L. Schainker
City Manager

City of Ames, Iowa

Five-Year Capital Improvements Plan

2024-2029

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How To Use the CIP Document

The 2024-2029 Capital Improvements Plan for the City of Ames is organized according to the City's program structure of services. This format allows decision makers to consider proposed improvements in much the same manner as the annual operating budget. First-year portions of these projects can also be identified in the annual operating program budget.

1. The **Description/Justification** section outlines the basic work to be done and the intended outcome or result of the project, outlines the reasons behind the proposal of the project, and also the advantages to the City of undertaking the project. The section may also describe the disadvantages to the City of either waiting to do the project, or of disapproving it altogether.

2. The **Comments** section outlines any additional information related to the project, including status changes from a previous year, its relationship to other projects or future developments, impacts on operating budgets and others.

3. The **Location** section lists a street location or various locations for each project. Specific locations for Public Works projects can also be found on the City of Ames website at: https://gis.cityofames.org/images/apps/cipmaps.html

In addition to the above information, the bottom of each page lists the types of costs (planning, construction, etc.) which will be associated with the project for each year of the present CIP. Below that is shown the source of financing for the project in each year.

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Projection of Debt Capacity

	2022/23 Actual	2023/24 Budgeted	2024/25 Projected	2025/26 Projected	2026/27 Projected	2027/28 Projected	2028/29 Projected
1. Total Actual Valuation	5,512,039,832	5,541,171,438	6,561,140,157	6,757,974,362	6,960,713,593	7,169,535,001	7,384,621,051
2. State Mandated Debt Limit	275,601,992	277,058,572	328,057,008	337,898,718	348,035,680	358,476,750	369,231,053
3. City Reserve (25% of Limit)	68,900,498	69,264,643	82,014,252	84,474,680	87,008,920	89,619,188	92,307,763
Un-Reserved Debt Capacity	206,701,494	207,793,929	246,042,756	253,424,038	261,026,760	268,857,562	276,923,290
4. Outstanding Debt	65,175,000	67,035,000	58,840,000	50,555,000	42,740,000	35,905,000	29,775,000
5. Proposed Issues	-	-	18,534,116	15,692,898	14,357,256	12,468,467	11,861,544
6. Balance of Proposed Issues	-	-	(620,997)	16,275,160	29,346,200	40,167,169	48,177,328
Total Debt Subject to Limit	65,175,000	67,035,000	76,753,119	82,523,058	86,443,456	88,540,636	89,813,872
7. Available Un-Reserved Debt Capacity ($)	141,526,494	140,758,929	169,289,637	170,900,980	174,583,304	180,316,926	187,109,418
8. Available Un-Reserved Debt Capacity (%)	68.47%	67.74%	68.80%	67.44%	66.88%	67.07%	67.57%
9. Total Debt Capacity ($)	210,426,992	210,023,572	251,303,889	255,375,660	261,592,224	269,936,114	279,417,181
10. Total Debt Capacity (%)	76.35%	75.80%	76.60%	75.58%	75.16%	75.30%	75.68%

Notes:

1. *Total assessed valuation plus utility valuation growth assumption is 3.0% per year.*
2. *State of Iowa statutory debt limit is 5% of total actual valuation.*
3. *City Policy reserves 25% percent of available debt capacity.*
4. *Current outstanding debt subject to limit at Fiscal Year End includes all debt in which property taxes are pledged.*
5. *Debt issues subject to limit proposed are part of Capital Improvement Plan.*
6. *Debt Balance on Issues in Capital Improvement Plan.*
7. *Debt capacity available after deducting the reserved capacity.*
8. *Percentage of debt capacity available after deducting the reserved capacity.*
9. *Debt capacity available prior to deducting the reserved capacity.*
10. *Percentage of Debt capacity available prior to deducting the reserved capacity.*

Summary of Major Bond Issues

General Obligation Bonds	Project Total	Category Total	% Project G.O. Funded	Other Sources of Funding
2024/25:				
Traffic Improvements:		476,100		
Intelligent Transportation System	476,100		19%	Road Use Tax/Grants
Airport Improvements:		680,000		
Airport Entryway Improvements	680,000		100%	
Parks and Recreation:		17,378,016		
Fitch Family Indoor Aquatic Center	16,678,016		81%	Donations/Grant/ARPA Funds
Ada Hayden Heritage Park	700,000		100%	
2024/25 Total		**18,534,116**		

Summary of Major Bond Issues, continued

General Obligation Bonds	Project Total	Category Total	% Project G.O. Funded	Other Sources of Funding
2025/26:				
Fire:		1,071,499	100%	
Fire Engine #2 Replacement	1,071,499			
Street Improvements:		10,050,000		
Collector Street Pavement Improvements (Bloomington Rd)	800,000		36%	MPO/STP Funds
Asphalt Street Pavement Improvements	4,000,000		100%	
Concrete Pavement Improvements	3,600,000		100%	
Seal Coat Pavement Improvements	1,000,000		100%	
Alley Pavement Improvements	400,000		100%	
Downtown Street Pavement Improvements	250,000		100%	MPO/STP Funds
Traffic Improvements:		1,887,540		
Intelligent Transportation System	367,540		13%	Road Use Tax/Grants
Traffic System Capacity (13th Street/Grand Avenue)	1,520,000			
Airport:		806,500		
Airport Airside Improvements	683,500		100%	
Airport Facility Improvements	123,000		18%	Federal/State Grants
Parks and Recreation:		1,877,359		
Indoor Aquatic Center	1,177,359		100%	
Ada Hayden South Lake Path Replacement	700,000		100%	
2025/26 Total		**15,692,898**		

Summary of Major Bond Issues, continued

General Obligation Bonds	Project Total	Category Total	% Project G.O. Funded	Other Sources of Funding
2026/27:				
Street Improvements:		13,400,000		
Collector Street Pavement Improvements (West Street)	1,500,000		100%	
Asphalt Street Pavement Improvements	2,900,000		100%	
Concrete Pavement Improvements	3,350,000		100%	
Seal Coat Pavement Improvements	900,000		100%	
Alley Pavement Improvements	400,000		100%	
Arterial Street Pavement Improvements (East Lincoln Way)	600,000		20%	MPO/STP Funds
CyRide Route Pavement Improvements (Lincoln Way)	2,000,000		100%	
Campustown Improvements (Chamberlain Street)	1,750,000		100%	
Traffic Improvements:		178,756		
Intelligent Transportation System	178,756		13%	Road Use Tax/Grants
Airport:		778,500		
Airport Airside Improvements	683,500		100%	
Airport Facility Improvements	95,000		13%	FAA/Airport Improvements
2026/27 Total		**14,357,256**		
Street Improvements:		13,400,000		
Collector Street Pavement Improvements (West Street)	1,500,000		100%	
Asphalt Street Pavement Improvements	2,900,000		100%	
Concrete Pavement Improvements	3,350,000		100%	
Seal Coat Pavement Improvements	900,000		100%	
Alley Pavement Improvements	400,000		100%	
2026/27 Total		**14,357,256**		

Summary of Major Bond Issues, continued

General Obligation Bonds	Project Total	Category Total	% Project G.O. Funded	Other Sources of Funding
2027/28:				
Fire:		283,467	72%	General Fund
Fire Station Alerting System	283,467			
Stormwater Improvements:		600,000	100%	
South Skunk River Improvements	600,000			
Street Improvements:		10,770,000		
Collector Street Pavement Improvements (Wheeler Street)	1,500,000		100%	
Asphalt Street Pavement Improvements	4,500,000		100%	
Concrete Pavement Improvements (6th Street)	1,300,000		100%	
Seal Coat Pavement Improvements	750,000		100%	
Alley Pavement Improvements	400,000		100%	
Arterial Street Pavement Improvements (E 13th and Duff)	720,000		30%	MPO/STP Funds
CyRide Route Pavement Improvements (Bloomington Rd)	1,600,000		100%	
Airport:		815,000		
Airport Airside Improvements	420,000		11%	FAA/Grants/Airport Improvements
Airport Entryway Improvements	395,000		100%	
2027/28 Total		**12,468,467**		

Summary of Major Bond Issues, continued

General Obligation Bonds	Project Total	Category Total	% Project G.O. Funded	Other Sources of Funding
2028/29:				
Fire:		1,331,544		
Fire Engine #4	1,331,544		100%	
Street Improvements:		9,000,000		
Asphalt Street Pavement Improvements	3,000,000		100%	
Concrete Pavement Improvements (7th Street)	1,500,000		100%	
Seal Coat Pavement Improvements	1,000,000		100%	
Alley Pavement Improvements	400,000		100%	
Arterial Street Pavement Improvements (Duff Avenue)	700,000		28%	MPO/STP Funds
CyRide Route Pavement Improvements (16th Street)	2,400,000		100%	
Traffic Improvements:		1,000,000		
Traffic System Capacity (24th Street/Grand Avenue)	1,000,000		67%	Road Use Tax
Airport Improvements		530,000		
Airport Entryway Improvements	530,000		100%	
2028/29 TOTAL		**11,861,544**		
Total General Obligation Bonds		**72,914,281**		

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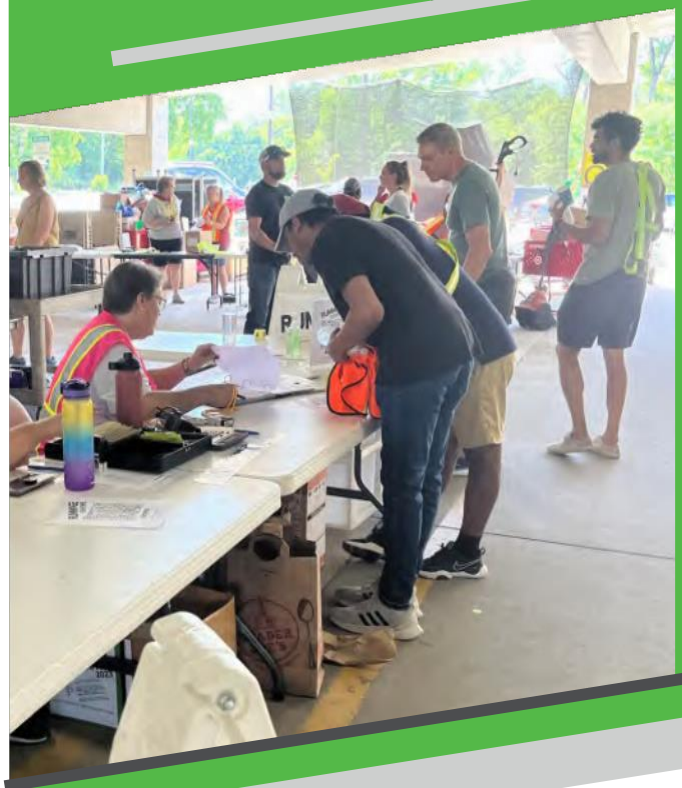
CITY-WIDE PROGRAM SUMMARY



CITY OF Ames™

Total Capital Improvements Plan Expenditures and Funding Sources

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures by Program:							
Public Safety	2,686,510	-	1,071,499	-	283,467	1,331,544	7
Utilities	138,437,000	36,561,000	44,969,000	15,703,000	25,949,000	15,255,000	13
Transportation	124,190,289	12,804,268	33,976,346	32,452,703	24,801,127	20,155,845	73
Culture and Recreation	28,242,127	22,352,108	2,932,859	1,123,500	939,380	894,280	113
Community Development	875,000	175,000	175,000	175,000	175,000	175,000	131
General Government	375,000	75,000	75,000	75,000	75,000	75,000	137
Total Expenditures	**294,805,926**	**71,967,376**	**83,199,704**	**49,529,203**	**52,222,974**	**37,886,669**	
Funding Sources:							
Debt	142,321,281	46,105,116	46,099,898	14,910,256	23,344,467	11,861,544	
City	95,212,034	14,944,990	19,710,806	20,481,849	19,938,670	20,135,719	
Other	57,272,611	10,917,270	17,389,000	14,137,098	8,939,837	5,889,406	
Total Funding Sources	**294,805,926**	**71,967,376**	**83,199,704**	**49,529,203**	**52,222,974**	**37,886,669**	

Capital Improvements Plan Expenditure Summary by Program

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures by Program							
Public Safety:							7
Fire Safety	2,686,510	-	1,071,499	-	283,467	1,331,544	8
Total Public Safety	**2,686,510**	**-**	**1,071,499**	**-**	**283,467**	**1,331,544**	
Utilities:							13
Electric Services	21,910,000	4,240,000	4,525,000	5,210,000	4,910,000	3,025,000	15
Water Production/Treatment	23,491,000	906,000	6,822,000	1,454,000	10,976,000	3,333,000	38
Water Pollution Control	58,403,000	26,465,000	28,213,000	1,600,000	1,039,000	1,086,000	51
Water Distribution	13,250,000	2,050,000	2,050,000	2,500,000	3,900,000	2,750,000	58
Sanitary Sewer System	8,450,000	400,000	400,000	2,550,000	2,550,000	2,550,000	60
Stormwater Management	11,000,000	1,850,000	2,600,000	2,000,000	2,300,000	2,250,000	63
Resource Recovery	1,933,000	650,000	359,000	389,000	274,000	261,000	70
Total Utilities	**138,437,000**	**36,561,000**	**44,969,000**	**15,703,000**	**25,949,000**	**15,255,000**	
Transportation:							73
Streets Improvements	56,105,000	4,305,000	11,775,000	16,125,000	12,775,000	11,125,000	74
Shared Use Path System	5,880,000	800,000	1,520,000	1,260,000	1,050,000	1,250,000	86
Traffic Improvements	17,278,000	4,104,000	6,620,000	2,254,000	1,525,000	2,775,000	91
Street Rehabilitation	3,150,000	630,000	530,000	580,000	580,000	830,000	98
Transit System	20,103,289	1,170,268	5,885,846	4,675,203	4,726,127	3,645,845	103
Airport	21,674,000	1,795,000	7,645,500	7,558,500	4,145,000	530,000	109
Total Transportation	**124,190,289**	**12,804,268**	**33,976,346**	**32,452,703**	**24,801,127**	**20,155,845**	

Capital Improvements Plan Expenditure Summary By Program, continued

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures, continued:							
Culture and Recreation:							113
Parks and Recreation	28,044,823	22,304,804	2,857,859	1,123,500	864,380	894,280	114
Library	47,304	47,304	-	-	-	-	126
Cemetery	150,000	-	75,000	-	75,000	-	128
Total Culture and Recreation	**28,242,127**	**22,352,108**	**2,932,859**	**1,123,500**	**939,380**	**894,280**	
Community Development:							131
Neighborhood Improvements	875,000	175,000	175,000	175,000	175,000	175,000	132
Total Community Development	**875,000**	**175,000**	**175,000**	**175,000**	**175,000**	**175,000**	
General Government:							137
Facilities	375,000	75,000	75,000	75,000	75,000	75,000	138
Total General Government	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	
Total Expenditures	**294,805,926**	**71,967,376**	**83,199,704**	**49,529,203**	**52,222,974**	**37,886,669**	

Capital Improvements Plan Funding Source Summary

City of Ames, Iowa
Capital Improvements Plan

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Debt:						
G.O. Bonds	72,914,281	18,534,116	15,692,898	14,357,256	12,468,467	11,861,544
G.O. Bonds (previously issued)	1,491,000	1,491,000	-	-	-	-
State Revolving Fund Loans	67,916,000	26,080,000	30,407,000	553,000	10,876,000	-
Total Debt Funding	**142,321,281**	**46,105,116**	**46,099,898**	**14,910,256**	**23,344,467**	**11,861,544**
City:						
Local Option Sales Tax	10,655,500	1,952,840	2,215,500	2,123,500	2,169,380	2,194,280
Road Use Tax	12,183,204	2,641,900	2,911,460	2,069,844	2,030,000	2,530,000
Electric Utility Fund	20,728,300	4,058,250	4,249,750	4,992,275	4,642,275	2,785,750
Water Utility Fund	20,188,000	2,636,000	3,843,000	3,476,000	4,075,000	6,158,000
Sewer Utility Fund	13,481,000	780,000	2,076,000	3,900,000	3,339,000	3,386,000
Stormwater Utility Fund	9,400,000	1,450,000	2,250,000	2,050,000	1,750,000	1,900,000
Resource Recovery Fund	1,933,000	650,000	359,000	389,000	274,000	261,000
Transit Capital Reserve Fund	5,898,030	596,000	1,691,096	1,356,230	1,334,015	920,689
Airport Improvements Fund	600,000	155,000	115,000	25,000	305,000	-
Ice Arena Capital Reserve Fund	145,000	25,000	-	100,000	20,000	-
Total City Funding	**95,212,034**	**14,944,990**	**19,710,806**	**20,481,849**	**19,938,670**	**20,135,719**

Capital Improvements Plan Funding Source Summary, continued

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Other:						
Federal/State Grants	26,060,159	3,595,268	9,223,250	5,244,373	4,397,112	3,600,156
MPO/STP Funds	11,004,000	2,934,000	1,790,000	2,400,000	1,680,000	2,200,000
Federal Aviation Administration	16,005,500	735,000	6,150,500	6,375,000	2,745,000	-
Iowa State University	681,700	131,750	225,250	117,725	117,725	89,250
Donations	2,652,571	2,652,571	-	-	-	-
American Rescue Plan	868,681	868,681	-	-	-	-
Total Other Funding	**57,272,611**	**10,917,270**	**17,389,000**	**14,137,098**	**8,939,837**	**5,889,406**
Total Funding Sources	**294,805,926**	**71,967,376**	**83,199,704**	**49,529,203**	**52,222,974**	**37,886,669**

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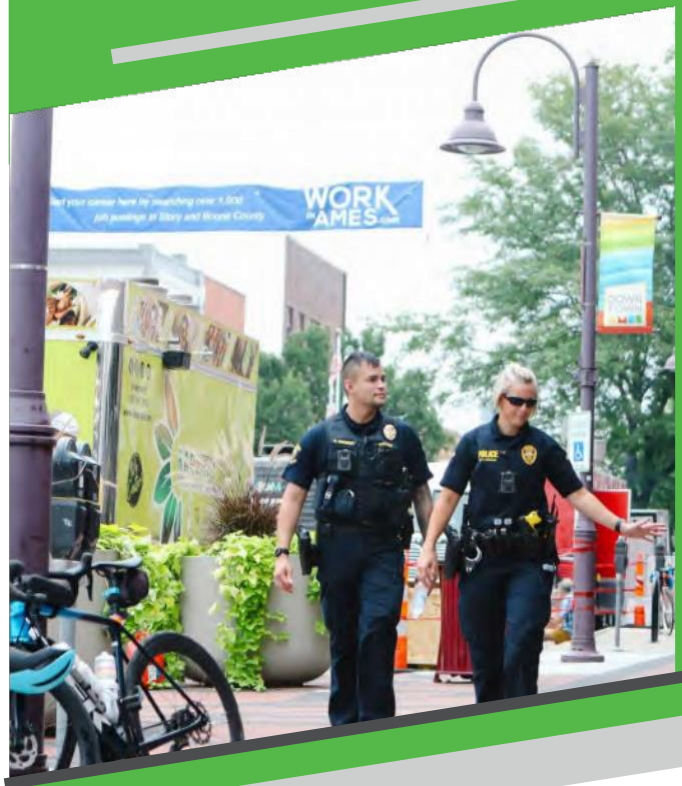
PUBLIC SAFETY



CITY OF
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Public Safety

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures:							
Fire Safety	2,686,510	-	1,071,499	-	283,467	1,331,544	8
Total Expenditures	**2,686,510**	**-**	**1,071,499**	**-**	**283,467**	**1,331,544**	
Funding Sources:							
Debt:							
G.O. Bonds	2,686,510	-	1,071,499	-	283,467	1,331,544	
Total Funding Sources	**2,686,510**	**-**	**1,071,499**	**-**	**283,467**	**1,331,544**	

Public Safety – Fire

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Fire Engine #2 Replacement	1,071,499	-	1,071,499	-	-	-	9
Station Alerting System	283,467	-	-	-	283,467	-	10
Fire Engine #4	1,331,544	-	-	-	-	1,331,544	11
Total Project Expenditures	**2,686,510**	**-**	**1,071,499**	**-**	**283,467**	**1,331,544**	
Funding Sources:							
Debt:							
G.O. Bonds	2,686,510	-	1,071,499	-	283,467	1,331,544	
Total Funding Sources	**2,686,510**	**-**	**1,071,499**	**-**	**283,467**	**1,331,544**	

Fire Apparatus Replacement Program/Fire Engine #2

Project Status: Cost Change

Description/Justification
Fire apparatus are essential for structural firefighting. The Fire Apparatus Replacement Program ensures replacement of fire apparatus at the end of their operational lives. The City maintains two frontline engines (Engine 1 and Engine 2) and one ladder truck (Tower 1). The City maintains its current fleet very well, which facilitates keeping frontline fire apparatus for a maximum of 15 years. Our goal is to then refurbish and retain those apparatus for an additional 10 years each as reserve apparatus. Reserve apparatus are used frequently for training academies or anytime a frontline apparatus requires service, Reserve apparatus are also used during large scale incidents by recalled firefighters, to respond to the scene or additional incidents that occur during the same time.

The current reserve apparatus is an engine purchased new in 1996. It has now reached the end of its reserve service life. Current Engine 2 is eligible for refurbishment and would make an excellent reserve engine. It would replace the current 1996 reserve engine and add additional safety features like driver and passenger-side airbags.

Engine 2 (purchased new in 2010) is currently in good condition but requires more maintenance and repairs as it ages. Replacement cost, including new equipment, is $946,499. The estimated refurbishment cost for Engine 2 is $125,000.

Comments
Vehicle costs across all markets have experienced a dramatic increase due to supply chain issues and delays. Emergency vehicle buildout times have also been increased due to these issues. The cost increase reflects the current market, which is not expected to subside anytime soon.

Location
Fire Station #2, 132 Welch Avenue (Engine 2)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Replace Engine #2	946,499		946,499			
Refurbish Engine #2 for Reserve Status	125,000		125,000			
Total	**1,071,499**		**1,071,499**			
Financing:						
G.O. Bonds	1,071,499		1,071,499			
Total	**1,071,499**		**1,071,499**			

Program - Activity: Public Safety - Fire

Department: Fire

Account Number:

Station Alerting System

Project Status: No Change

Description/Justification

In 2008 the Ames Fire Department purchased an automatic station alerting system from Locution Systems Inc. It was installed at all three fire stations and the City's Public Safety Communications Center. This system also dispatches Mary Greeley Medical Center (MGMC) ambulances. The automatic station alerting system automates the process of alerting and dispatching fire personnel and apparatus to emergency incidents. The system integrates directly into the Public Safety Communication Center's computer aided dispatch system, allowing 911 dispatchers to dispatch the most appropriate emergency response vehicle(s) automatically and instantaneously. The automatic station alerting system utilizes lights, increasing volumes and wall mounted information centers throughout the stations to alert and dispatch specific staff and units, leaving non-responding stations and units ready to respond to the next incident.

It was discovered during a planned replacement of one of the station's automatic alerting system computers that individual dorm room wall mounted controls and information centers would no longer function. The vendor informed us that our wall mounted controls and information centers were obsolete and would not function within any new Windows operating versions other than Windows CE, which officially ended in 2018. The station continues to receive audio dispatches but no longer receives the visual display of the incident address. Additionally, the 14-year-old system operates on a single network connection and does not have a secondary backup connection with the Public Safety Communications Center. This leaves the system vulnerable to network interruptions caused by damaged fiber during construction or even a power outage at the switching station, which could result in missed dispatches and delayed emergency response.

The cost of replacing all equipment and technology for all three fire stations and for the Ames Public Safety Communications Center with continued ability to dispatch MGMC ambulances is estimated to be $283,467.

Comments

The current automatic station alerting system uses 14-year-old technology and equipment that will continue to lose functionality as other technology within the City is replaced to maintain the overall integrity of the City's emergency communications network. Replacing the current system with newer equipment and technology will improve reliability, security, and utilization of available technology to improve overall emergency response times.

Location

Fire Station #1, 1300 Burnett Avenue, Fire Station #2, 132 Welch Avenue, Fire Station #3, 2400 South Duff Avenue,
Public Safety Communications Center, 515 Clark Avenue

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Replace Station Alerting System		283,467				283,467	
	Total	**283,467**				**283,467**	
Financing:							
G.O. Bonds		283,467				283,467	
	Total	**283,467**				**283,467**	

Program - Activity: Public Safety - Fire

Department: Fire

Account Number:

Fire Apparatus Replacement Program/Fire Engine #4

Project Status: New

Description/Justification
Fire apparatus are essential for structural firefighting. The City maintains one frontline apparatus for each fire station. The frontline apparatus are two fire engines and one ladder truck. The City has three fire stations, with one of the three corresponding frontline apparatus operating out of each station.

Additionally, the City maintains two reserve apparatuses, a 1996 fire engine and a 2002 recently refurbished (2023) ladder truck. Reserve apparatus are used frequently for training academies or anytime a frontline apparatus requires service. Reserve apparatus are also used during large scale incidents by recalled firefighters, to respond to the scene or additional incidents that occur during the same time. The City recently disposed of a third reserve apparatus, a 1989 fire engine, that was maintained until it was no longer sustainable.

With the realization that the City will require a fourth fire station in the near future to meet the expected growth of the Ames 2040 Plan, and to address increasing response times, it is time to start planning for the addition of a fourth frontline fire engine. Additionally, Vehicle costs across all markets have experienced a dramatic price increase due to continued supply chain issues and delays, which is not expected to subside anytime soon. Emergency vehicle buildout times have also been increased due to these issues and are currently averaging around 40 months from contract execution to vehicle delivery.

The purchase of a fourth fire engine is in anticipation of opening a fourth fire station. The engine purchase can be delayed or advanced as more information becomes available. However, even if the construction of a fourth fire station is delayed, this new engine would allow the department to maintain two reserve engines.

The purchase price of a new fire engine, with like capabilities to the City's current fire fleet and corresponding equipment necessary to place the vehicle into service is $1,331,544.

Comments
Emergency vehicle prices continue to be volatile and are expected to increase at 6% per year over the next five years. Additionally, in January 2027, the EPA's Low-NOx Emissions Rule will go into effect, further regulating emissions for which emergency vehicles are non-exempt. The new EPA rule will limit diesel motor options for fire engine manufactures and will increase the overall fire engine cost by $100,000.

Location
Future Fire Station #4

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engine #4		1,331,544					1,331,544
	Total	**1,331,544**					**1,331,544**
Cost:							
G.O. Bonds		1,331,544					1,331,544
	Total	**1,331,544**					**1,331,544**

Program - Activity: Public Safety - Fire
Department: Fire
Account Number:

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UTILITIES

CITY OF Ames™

Utilities

Expenditures

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Electric Services	21,910,000	4,240,000	4,525,000	5,210,000	4,910,000	3,025,000	15
Water Production/Treatment	23,491,000	906,000	6,822,000	1,454,000	10,976,000	3,333,000	38
Water Pollution Control	58,403,000	26,465,000	28,213,000	1,600,000	1,039,000	1,086,000	51
Water Distribution	13,250,000	2,050,000	2,050,000	2,500,000	3,900,000	2,750,000	58
Sanitary Sewer System	8,450,000	400,000	400,000	2,550,000	2,550,000	2,550,000	60
Stormwater Management	11,000,000	1,850,000	2,600,000	2,000,000	2,300,000	2,250,000	63
Resource Recovery	1,933,000	650,000	359,000	389,000	274,000	261,000	70
Total Expenditures	**138,437,000**	**36,561,000**	**44,969,000**	**15,703,000**	**25,949,000**	**15,255,000**	

Funding Sources:

Debt:						
G.O. Bonds	600,000	-	-	-	600,000	-
State Revolving Fund Loans	67,916,000	26,080,000	30,407,000	553,000	10,876,000	-
Total Debt Funding	68,516,000	26,080,000	30,407,000	553,000	11,476,000	-

Utilities, continued

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Funding Sources, continued:						
City:						
Electric Utility Fund	20,728,300	4,058,250	4,249,750	4,992,275	4,642,275	2,785,750
Water Utility Fund	19,888,000	2,636,000	3,768,000	3,401,000	4,000,000	6,083,000
Sewer Utility Fund	13,181,000	780,000	2,001,000	3,825,000	3,264,000	3,311,000
Stormwater Utility Fund	9,200,000	1,450,000	2,200,000	2,000,000	1,700,000	1,850,000
Resource Recovery Fund	1,933,000	650,000	359,000	389,000	274,000	261,000
Total City Funding	64,930,300	9,574,250	12,577,750	14,607,275	13,880,275	14,290,750
Other:						
Federal/State Grants	4,309,000	775,000	1,759,000	425,000	475,000	875,000
Iowa State University	681,700	131,750	225,250	117,725	117,725	89,250
Total Other Funding	4,990,700	906,750	1,984,250	542,725	592,725	964,250
Total Funding Sources	**138,437,000**	**36,561,000**	**44,969,000**	**15,703,000**	**25,949,000**	**15,255,000**

Utilities - Electric Services

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Administration:							
Advanced Metering Infrastructure	1,400,000	700,000	700,000	-	-	-	17
Electric Vehicle Infrastructure	1,000,000	200,000	200,000	200,000	200,000	200,000	18
Transmission:							
69 kV Transmission Reconstruction	2,625,000	525,000	525,000	525,000	525,000	525,000	19
Distribution:							
Mortensen Road Transformer Protection	2,700,000	200,000	800,000	1,700,000	-	-	20
Fiber Optic Fiber Replacement	770,000	100,000	-	335,000	335,000	-	21
Streetlight and Line Relocations	950,000	250,000	250,000	150,000	150,000	150,000	22
Vet Med Substation Switchgear Upgrade	1,100,000	-	-	200,000	-	900,000	23
Dayton Avenue Substation Upgrade	1,500,000	-	-	-	1,500,000	-	24
Production:							
Power Plant Building Modifications	900,000	150,000	-	250,000	-	500,000	25
Power Plant Load Centers/Breakers	1,350,000	500,000	850,000	-	-	-	26
Critical Electric System Generators	600,000	600,000	-	-	-	-	27
Power Plant Relay/Control Replacement	300,000	125,000	175,000	-	-	-	28
Combustion Turbine Generation Improvements	890,000	740,000	150,000	-	-	-	29
Turbine/Generator Minor Overhauls	150,000	150,000	-	-	-	-	30
Turbine/Generator Major Overhauls	2,200,000	-	400,000	1,100,000	700,000	-	31
RDF Bin Renovation	300,000	-	300,000	-	-	-	32
Plant Controls WIFI Network	175,000	-	175,000	-	-	-	33
Units 5 and 6 Boiler Removal	750,000	-	-	750,000	-	-	34

Utilities - Electric Services, continued

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Production (continued):							
Combustion Turbine 2 Inlet Heating	1,500,000	-	-	-	1,500,000	-	35
Coal Yard Reclamation	500,000	-	-	-	-	500,000	36
Unit 8 Tube Corrosion Injection	250,000	-	-	-	-	250,000	37
Total Project Expenditures	**21,910,000**	**4,240,000**	**4,525,000**	**5,210,000**	**4,910,000**	**3,025,000**	
Funding Sources:							
City:							
Electric Utility Fund	20,728,300	4,058,250	4,249,750	4,992,275	4,642,275	2,785,750	
Other:							
Iowa State University	681,700	131,750	225,250	117,725	117,725	89,250	
Federal/State Grants	500,000	50,000	50,000	100,000	150,000	150,000	
Total Other Funding	1,181,700	181,750	275,250	217,725	267,725	239,250	
Total Funding Sources	**21,910,000**	**4,240,000**	**4,525,000**	**5,210,000**	**4,910,000**	**3,025,000**	

Advanced Metering Infrastructure

Project Status: No Change

Description/Justification
The Utility's current electric metering system does not have the functional capability to allow for modern utility activities. These include activities like load management for energy peak reductions, outage identifications, real-time feeder and transformer studies, remote disconnection of services, and time-of-use rate design. This project will allow for the selection of an advanced metering system and provide a multi-year activity to systematically replace customers' meters as these new services are implemented.

In FY 2023/24, a consultant is assessing the system needs of the utility, developing a request for proposal, and assisting in selecting an Advanced Metering Infrastructure vendor. In FY 2023/24, the communication web will be installed at an estimated cost of $350,000. The remaining budgeted funds will be spent on new advanced meters, allowing the City to replace over half of the existing meters. Future meters will be changed out through the next decade as part of routine replacement in the operating budget. This meter reading system will be compatible with the system being implemented by the water utility.

Comments

2022/23	Engineering	100,000
2023/24	Materials & Software	700,000
2024/25	Materials & Software	700,000
2025/26	Materials & Software	700,000
		2,200,000

Location
Various

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering/Meters		1,400,000	700,000	700,000			
	Total	**1,400,000**	**700,000**	**700,000**			
Financing:							
Electric Utility Fund		1,400,000	700,000	700,000			
	Total	**1,400,000**	**700,000**	**700,000**			

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Administration	Electric Services	530-4803-489

Electric Vehicle Infrastructure

Project Status: Revenue Change

Description/Justification
As the adoption of electric vehicles continues to grow in the coming years, Electric Services needs to continue to add charging infrastructure.

There are 3 levels of EV charging:

- Level 1 charging operates at 120V AC, supplying between 1.2 – 1.8 kW. This is the level provided by a standard household outlet and can provide approximately 40–50 miles of range overnight.
- Level 2 charging operates at 240V AC, supplying between 3.6 – 22 kW. This level includes charging stations that are commonly installed in homes, workplaces, and public locations and can provide approximately 25 miles of range per hour of charging.
- Level 3 (or DC Fast Charger for our purposes) operates between 400 – 1000V AC, supplying 50 kW and above. DC Fast Chargers, which are generally only available in public locations, can typically charge a vehicle to 80% in approximately 20-30 minutes.

This project is for the addition of at least two Level 2 and one DC Fast charger within the Ames community in each of the years over the five-year period. The project assumes grant funding will increase in the latter years.

Comments
This investment into this project is being decreased with the advent of grant money available and with private infrastructure development in the later years.

Location
Various locations are being considered such as 13th Street and I-35 or Hwy 30/South Dakota for DC Fast Chargers; and near the mall, Main Street, and South Duff movie theaters for Level 2 chargers.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering/Meters		1,000,000	200,000	200,000	200,000	200,000	200,000
	Total	**1,000,000**	**200,000**	**200,000**	**200,000**	**200,000**	**200,000**
Financing:							
Electric Utility Fund		500,000	150,000	150,000	100,000	50,000	50,000
Grant Funding		500,000	50,000	50,000	100,000	150,000	150,000
	Total	**1,000,000**	**200,000**	**200,000**	**200,000**	**200,000**	**200,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Administration	Electric Services	530-4806-489

69kV Transmission Reconstruction

Project Status: Cost Increase

Description/Justification
This multi-year project will reconstruct deteriorated portions of 69kV transmission pole lines. This project will replace between one and two line-miles of 69kV transmission line each year. The actual length and cost per mile will vary by terrain, accessibility, and attachments.

Comments
Line replacement candidates include the original MidAmerican 69kV tie line that connects the Ames Plant switchyard to the MidAmerican 69kV source point located south of Ames on Highway 69, the Ames Plant to the Top-O-Hollow line, the Top-O-Hollow line to the Stange Road Substation line, and the Vet Med line to the Mortensen Road Substation line. The total project will require at least five years and will reconstruct approximately 11 miles of deteriorated 69kV line.

Capacity and reliability improvements will include the reconstruction of distribution lines that are underbuilt on existing transmission lines and/or adding new distribution under-build along the same construction route line. Iowa State University's share of the project is based on a load-ratio-share at the time of implementation. For budgetary purposes, staff assumes the ISU load-ratio-share to be 17%.

Location
Various locations

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		125,000	25,000	25,000	25,000	25,000	25,000
Construction		2,500,000	500,000	500,000	500,000	500,000	500,000
	Total	**2,625,000**	**525,000**	**525,000**	**525,000**	**525,000**	**525,000**
Financing:							
Electric Utility Fund		2,178,750	435,750	435,750	435,750	435,750	435,750
Iowa State University		446,250	89,250	89,250	89,250	89,250	89,250
	Total	**2,625,000**	**525,000**	**525,000**	**525,000**	**525,000**	**525,000**

Program - Activity: Utilities - Electric Transmission
Department: Electric Services
Account Number: 530-4856-489

Mortensen Road Substation 69kV Transformer Protection **Project Status:** Cost Increase Delayed

Description/Justification
This project is for the addition of a 69kV breaker, relays, and controls to replace the fuse protection on this distribution transformer. It also includes the replacement of two obsolete oil circuit breakers with low-maintenance gas breakers, replacing the existing transformer with 25% more capacity, and installing perimeter security enhancements to the substation.

Comments
The use of gas breakers for transformer protection is consistent with recommended engineering practices in the electric utility industry and will minimize damage to the transformer and surrounding facilities while providing better worker safety in the event of a fault. They will also reduce maintenance and provide fast, reliable operation.

Iowa State University's (ISU) share of the project is based on a load-ratio-share at the time of implementation. For budgetary purposes, staff assumes the ISU load-ratio-share to be 17% of the 69 kV-related costs (excluding the distribution transformer).

The project has been delayed two years because of long lead times, and the budgeted amount has been increased by $1,200,000 because materials have doubled in cost since first forecasting this project, and additional funds are needed to move the existing 69kV bus structures to accommodate the future addition of a second transformer. The transformer replacement is needed for additional capacity to serve load growth in the vicinity of Mortensen Avenue and South Dakota Avenue.

2023/24	Engineering	150,000
2024/25	Engineering	200,000
2025/26	Materials & Construction	800,000
2026/27	Materials & Construction	1,700,000
		2,850,000

Location
Mortensen Road Substation, 3040 Mortensen Road

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		200,000	200,000				
Construction		2,500,000		800,000	1,700,000		
	Total	**2,700,000**	**200,000**	**800,000**	**1,700,000**		
Financing:							
Electric Utility Fund		2,530,000	166,000	664,000	1,700,000		
Iowa State University		170,000	34,000	136,000			
	Total	**2,700,000**	**200,000**	**800,000**	**1,700,000**		

Program - Activity:
Utilities - Electric Distribution

Department:
Electric Services

Account Number:
530-4824-489

Fiber Optic Hardware Replacement

Project Status: New

Description/Justification
In 2006, Electric Services installed a fiber optic network to provide communications to its substations to support protection functions and provide Supervisory Control and Data Acquisition (SCADA) communications to all substations. The electronic communication hardware is reaching the end of its useful life and there is limited availability of replacement parts for the original system components. While the current system is growing obsolete, advancements in fiber optic communication equipment offers operational and security enhancements. Additionally, it is important for the system replacements to be coordinated to avoid incompatibilities between old and new hardware system components. Therefore, it is necessary to replace the hardware components entirely, rather than simply piece-meal the upgrade. This replacement requires an engineering effort to plan the upgrade and to specify and procure the hardware and installation services.

Comments
Iowa State University shares in the cost of transmission expenses. ISU's projected share of transmission-only costs is approximately 17%, ISU's share for this project will be half of that, as the fiberoptic hardware system is utilized for both transmission and distribution functions. ISU's share of this project is therefore estimated to be 8.5% for it's share of the transmission system.

Location
Various (Substations, Power Plant)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		170,000	100,000		35,000	35,000	
Construction		600,000			300,000	300,000	
	Total	**770,000**	**100,000**		**335,000**	**335,000**	
Financing:							
Electric Utility Fund		704,550	91,500		306,525	306,525	
Iowa State University		65,450	8,500		28,475	28,475	
	Total	**770,000**	**100,000**		**335,000**	**335,000**	

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Distribution	Electric Services	530-4849-489

Streetlight and Line Relocations

Project Status: Cost Decrease

Description/Justification
This work is coordinated with Public Works street improvement projects that require the relocation of various electric facilities, including streetlights, services, and distribution lines. Locations for streetlight and line relocations will be coordinated each year with Public Works street improvement projects.

Comments
The overall five-year cost is lower compared to the previous CIP, given the availability of money carried over from the previous years.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		950,000	250,000	250,000	150,000	150,000	150,000
	Total	**950,000**	**250,000**	**250,000**	**150,000**	**150,000**	**150,000**
Financing:							
Electric Utility Fund		950,000	250,000	250,000	150,000	150,000	150,000
	Total	**950,000**	**250,000**	**250,000**	**150,000**	**150,000**	**150,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Distribution	Electric Services	530-4823-489

Vet Med Substation Switchgear Replacement

Project Status: Delayed

Description/Justification
This project will replace the original 13.8kV metal-clad distribution switchgear at the Vet Med Substation. The Vet Med substation expansion in 2011 installed two new transformers and switchgear, but the metal-clad switchgear was not upgraded at that time. This project will replace the metal-clad switchgear to add a main breaker and update older existing relays to current standards. The original "stacked" formation switchgear will be replaced with a much safer "single-level" arrangement.

Comments
The addition of a main breaker will improve safety for workers and improve system reliability. The use of low-maintenance breakers and relays will provide protection that operates quickly and selectively. These upgrades are consistent with electric utility industry engineering practices.

This project is delayed due to the long lead time to order materials.

Location
Vet Med Substation, South Riverside Drive

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		200,000			200,000		
Construction		900,000					900,000
	Total	**1,100,000**			**200,000**		**900,000**
Financing:							
Electric Utility Fund		1,100,000			200,000		900,000
	Total	**1,100,000**			**200,000**		**900,000**

Program - Activity: Utilities - Electric Distribution

Department: Electric Services

Account Number:

Dayton Avenue Substation Switchgear Upgrades

Project Status: Cost Increase Delayed

Description/Justification
This project will upgrade two existing 13.8kV distribution metal-clad switchgear lineups at the Dayton Avenue Substation. The oldest switchgear has obsolete air blast breakers, no main breaker, and electro-mechanical relays. This switchgear needs to be replaced with all new switchgear with vacuum interrupter breakers, a main breaker, and microprocessor relays. The second switchgear has vacuum interrupter feeder breakers, which do not need to be replaced, but has no main breaker and uses older style relays. This project will provide for the addition of a main breaker and replacement of existing distribution relays with modern, microprocessor-based relays.

Comments
These upgrades are consistent with recommended electric utility industry engineering practices. The addition of a main breaker will improve safety for workers and improve system reliability using low-maintenance breakers and relays.

The project has been delayed three years because of long lead times, and the budgeted amount has been increased by $400,000 because materials have doubled in cost since first forecasting this project.

2023/24	Engineering	250,000
2027/28	Materials & Construction	1,500,000
		1,750,000

Location
Dayton Avenue Substation, Pullman Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering							
Construction		1,500,000				1,500,000	
	Total	**1,500,000**				**1,500,000**	
Financing:							
Electric Utility Fund		1,500,000				1,500,000	
	Total	**1,500,000**				**1,500,000**	

Program - Activity: Utilities - Electric Distribution

Department: Electric Services

Account Number:

Power Plant Building Modifications

Project Status: Cost Change Project Change

Description/Justification
This project will bring much-needed improvements to the Power Plant. The Power Plant is a historic City structure that has gone through several changes over the last 50 years. Several of the Power Plant roofs are in poor repair and need to be replaced. The windows on the first floor, the front entrance, and the restrooms need to be replaced, and the plant is not as accessible as a modern plant would be. This multi-year project is to make the building more energy efficient, meet current building requirements, install security features, and provide needed updates.

Comments
The front entrance remodel will provide a more secure Power Plant where all visitors will be able to speak with someone in person, use the restroom, and have an area to wait for City staff, all while being in an area that does not provide access to the plant. The restroom remodel project will provide five separate restrooms that will be gender-neutral. This will make it much easier for an employee, contractor, or visitor of any gender to use the facilities at the Power Plant. This project has been bid twice and both times had only one bidder at a higher price than what was budgeted. $150,000 was added to the remodel portion of this project to adjust to increased labor and material costs.

The window replacement project has been moved to FY 2026/27, and the improved building access project has been delayed to FY 2028/29.

2023/24 Remodel entrance and front restrooms (400,000)
2024/25 Completion of the front entrance and restrooms ($150,000)
2026/27 Replace windows on the first floor ($250,000)
2028/29 Improved building access ($500,000)

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost							
Engineering		125,000			50,000		75,000
Construction		775,000	150,000		200,000		425,000
	Total	**900,000**	**150,000**		**250,000**		**500,000**
Financing:							
Electric Utility Fund		900,000	150,000		250,000		500,000
	Total	**900,000**	**150,000**		**250,000**		**500,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Production	Electric Services	530-4871-489

Power Plant Load Centers and Breaker Replacement

Project Status: No Change

Description/Justification
The seven load centers (breakers and cabinets) in the Power Plant are used to take power off the generator bus bar and distribute it out to the different equipment in the plant. The active load centers are original and are built for old, outdated breakers. The load centers do not currently have up-to-date equipment built in that would allow them to be operated more efficiently. This project involves consolidating seven load centers into six over a three-year period.

Comments
The existing 4160-volt breakers are old and outdated, making it very difficult to find replacement parts and maintain a reliable electric source.

2023/24 Design and start of construction ($500,000)
2024/25 Consolidation of three load centers into two ($500,000)
2025/26 Four load centers and breakers ($850,000)

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Materials/Parts		1,350,000	500,000	850,000			
	Total	**1,350,000**	**500,000**	**850,000**			
Financing:							
Electric Utility Fund		1,350,000	500,000	850,000			
	Total	**1,350,000**	**500,000**	**850,000**			

Program - Activity:	Department:	Account Number:
Utilities - Electric Administration	Electric Services	530-4855-489

Critical Electric System Generators

Project Status: Delayed Cost Increase

Description/Justification
The August 2020 derecho event illustrated that, although battery systems are in place at the Power Plant, a more robust backup system supporting critical systems in the Power Plant is vital. This project will involve the installation of a diesel generator that, under blackout conditions, will continually support the Distributed Control System (DCS), the Supervisory Control and Data Acquisition (SCADA) system, and the emergency oil pumps on both steam turbine generators at the Power Plant.

Comments
Staff has added $600,000 to this project in FY 2024/25. After receiving an engineer's estimate, staff found the project more costly than originally thought. Staff is pursuing FEMA grants to help with a large portion of this project and reduce the project total.

2023/24	$608,357
2024/25	600,000
	$1,208,357

Location
Power Plant, 200 East Fifth Street
Combustion Turbine Site, 2300 Pullman Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Materials/Parts		500,000	500,000				
Construction		100,000	100,000				
Engineering							
	Total	**600,000**	**600,000**				
Financing:							
Electric Utility Fund		600,000	600,000				
	Total	**600,000**	**600,000**				

Program - Activity: Utilities - Electric Administration
Department: Electric Services
Account Number: 530-4855-489

Power Plant Relay/Control Replacement

Project Status: No Change

Description/Justification
This project will replace existing electro-mechanical 13.8kV feeders and 4.160kV bus differential relays in the Power Plant. The existing relays are obsolete electro-mechanical devices which are becoming difficult to maintain and repair since replacement parts are no longer manufactured. By installing modern programmable relays and updated controls in this location, long-term reliability can be improved by eliminating the obsolete, maintenance-intensive, electro- mechanical relays. This project will likely take three years to complete.

Comments
These upgrades are consistent with recommended electric utility industry engineering practices.

FY 2023/24	Engineering	$125,000
FY 2024/25	Construction	$125,000
FY 2025/26	Construction	$175,000
		$425,000

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering							
Construction		300,000	125,000	175,000			
	Total	**300,000**	**125,000**	**175,000**			
Financing:							
Electric Utility Fund		300,000	125,000	175,000			
	Total	**300,000**	**125,000**	**175,000**			

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Administration	Electric Services	530-4862-489

Combustion Turbine Generation Improvements **Project Status:** Delayed

Description/Justification
The program includes three distinct projects.

Project #1: The current outdated controls on Combustion Turbine #1 (CT1) need to be replaced with updated controls. The original controls were upgraded in 2007 but have several components that are now obsolete and no longer supported by the Original Equipment Manufacturer.

Project #2: The current remote terminal unit, meters, and protective relays are original to the 1972 unit and must be updated with more modern equipment.

Project #3: There are currently multiple small enclosures housing different auxiliary equipment at the Combustion Turbine site. These enclosures are outfitted with individual unit heaters to keep equipment from reaching freezing temperatures. There is also piping between the enclosures that are heat heat-traced to prevent them from freezing. If one of the enclosure heaters malfunctions and the temperature drops below freezing, equipment will be damaged and require costly repairs or replacement. Keeping all of the individual heating systems maintained and constantly monitoring the climate status has proved difficult, especially since the unit is located at a remote site from the main power plant. In order to remove most of this risk, an insulated weather protection building will be erected that will enclose this equipment and be heated to maintain a proper climate.

Comments
FY 2024/25 costs are a result of a delay in the project timeline. The first two projects of the program have been combined to save on engineering and construction costs.

2023/24	Engineering and beginning construction for projects #1 and #2 - Replace outdated controls on Combustion Turbine #2 ($750,000)
2024/25	Construction of Projects #1 and #2 - Replace remote terminal unit, meters, and protective relays ($140,000); replace outdated controls on CT #1 ($400,000) and CT #2 ($200,000)
2025/26	Project #3 Install combustion turbine weather protection ($150,000)

The total project cost is projected to be $1,640,000.

Location
Combustion Turbine Site, 2300 Pullman Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering/Design/Construction		890,000	740,000	150,000			
	Total	**890,000**	**740,000**	**150,000**			
Financing:							
Electric Utility Fund		890,000	740,000	150,000			
	Total	**890,000**	**740,000**	**150,000**			

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Production	Electric Services	530-4890-489

Turbine/Generator Minor Overhauls

Project Status: Cost Decrease Project Change

Description/Justification
It is standard in the electric generation industry to perform a major overhaul on turbines and generators every 7-8 years. In order to continue performing well during that time period, a minor overhaul is performed every 3-4 years. The minor overhaul consists of inspecting and cleaning the main stop valve, control valves, and bearings. This inspection insures proper operation of these critical components.

Comments
Traditionally, the City's Power Plant has not performed a minor inspection on either Unit 7 or Unit 8. That is because the time between major inspections has previously been about 5 years. Staff would now like to increase this time between major inspections to 7-8 years.

The frequency of this project is directly related to the Unit 7 & 8 Turbine-Generator Major Overhaul project shown on a separate CIP page.
Unit 8 turbine rotor blading, bearings, and control valves were all cleaned and inspected in 2023, satisfying the work of a Minor Overhaul.

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Turbine Overhaul		100,000	100,000				
GE Tech Support		50,000	50,000				
	Total	**150,000**	**150,000**				
Financing:							
Electric Utility Fund		150,000	150,000				
	Total	**150,000**	**150,000**				

Program - Activity:	**Department:**	**Account Number:**
Utilities - Electric Production	Electric Services	530-4894-489

Turbine/Generator Major Overhauls

Project Status: Cost Decrease

Description/Justification
Unit 7 and Unit 8 turbine-generators will be disassembled, inspected, and repaired as necessary after 7-8 years of cyclical operation. This work is required to replace worn parts, as well as to inspect the turbine and generator for repairs that may be needed to prevent unplanned downtime. The timeframe for these overhauls is recommended by the turbine manufacturer and follows accepted industry standards.

Comments
Because of the limited time to perform the work, spare parts must be ordered and delivered before the work begins. The parts ordered are either high wear parts or have been suggested for replacement from previous overhauls when the next major overhaul is performed. These parts are very specialized and can have very long lead times requiring them to be ordered up to a year in advance. The frequency of this project is directly related to the Turbine/Generator Minor Overhauls project shown on a separate CIP page.

The total amount for Unit 8 Major Overhaul was reduced from $1,300,000 to $1,100,000 because some parts were replaced during the summer of 2023 when the rotor was sent to a turbine shop for repairs to the blading.

Unit 7:

2025/26	Materials/Parts	400,000
2026/27	Labor	700,000
		1,100,000

Unit 8:

2026/27	Materials/Parts	400,000
2027/28	Labor	700,000
		1,100,000

Location
Power Plant, 200 East 5th Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		800,000		400,000	400,000		
Construction		1,400,000			700,000	700,000	
	Total	**2,200,000**		**400,000**	**1,100,000**	**700,000**	
Financing:							
Electric Utility Fund		2,200,000		400,000	1,100,000	700,000	
	Total	**2,200,000**		**400,000**	**1,100,000**	**700,000**	

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

RDF Bin Renovation

Project Status: No Change

Description/Justification
Several drives at the City's Refuse Derived Fuel (RDF) bin are operated by direct current (DC). These DC drives have limitations for control and are expensive to maintain. Current plans are to replace the DC drives with alternating current (AC) drives.

Comments
The City is currently researching waste alternatives, which could impact how the RDF bin will be utilized over the next ten to twenty years. As additional information is learned, the priority of the RDF Bin Renovation project may change as other alternatives are found.

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		300,000		300,000			
	Total	**300,000**		**300,000**			
Financing:							
Electric Utility Fund		300,000		300,000			
	Total	**300,000**		**300,000**			

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

Plant Controls Wi-Fi Network

Project Status: No Change

Description/Justification
Each time a component is installed in the field, it needs to be connected to the Power Plant's Distributed Controls System (DCS). The current approach requires the installation and connection of conduit and hard wiring. This takes a tremendous amount of time and space when considering adding additional components in the field.

This project will install a secured wireless network that will only be used to retrieve operational data from the field, bringing it into the DCS without having to run conduit or wiring. The network will also be capable of quickly adding additional components in the future. This wireless netw ork will only be used for retrieving data and will not be used to output any control commands.

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Materials/Parts		175,000		175,000			
	Total	**175,000**		**175,000**			
Financing:							
Electric Utility Fund		175,000		175,000			
	Total	**175,000**		**175,000**			

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

Units 5 And 6 Boiler Removal

Project Status: Delayed

Description/Justification
The Power Plant houses two operational generating units, Units 7 and 8. Units 5 and 6 are much older and were decommissioned in 1986. This project is to remove the Unit 5 and Unit 6 boilers.

Comments
These boilers are outdated and are unusable in their current condition. The area that will become available because of this project can be used to provide expanded maintenance shop space or could serve as the boiler site if a Waste-to-Energy Plant moves forward.

The turbine/generators will not be removed as part of this project unless the possibility of repurposing one or both of the turbine/generators for a new Waste-to-Energy plant is ruled out.

The funds for this project were moved from FY 2024/25 to FY 2026/27 because of the need to prioritize other projects.

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		50,000			50,000		
Demolition		700,000			700,000		
	Total	**750,000**			**750,000**		
Financing:							
Electric Utility Fund		750,000			750,000		
	Total	**750,000**			**750,000**		

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

Combustion Turbine 2 Inlet Heating

Project Status: Delayed

Description/Justification
This project is to install a system that will heat the air used for combustion in CT2 turbine.

The turbine design requires the air to be compressed to a high pressure before it is combusted. During cold weather, the high pressures can cause water vapor in the air to turn to ice and damage the compressor blades of the turbine. Currently, to avoid ice damage, the turbine is not able to be operated when outside temperatures are below 45 degrees Fahrenheit. This removes the combustion turbine as an emergency backup for a large portion of the winter season. Installing heaters on the intake system will provide the ability to heat the air stream going into the turbine, avoiding icing conditions, thus making the turbine available for year-round service.

Comments
This project is being driven by changes made by the Midcontinent Independent System Operator (MISO), which allow the Utility to benefit from a unit that can operate in the winter. However, staff has determined it best to delay the project because the winter capacity gained from this Unit by performing this project is anticipated not to be needed until FY 2027/28.

Location
Combustion Turbine site, 2300 Pullman Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		50,000				50,000	
Construction		1,450,000				1,450,000	
	Total	**1,500,000**				**1,500,000**	
Financing:							
Electric Utility Fund		1,500,000				1,500,000	
	Total	**1,500,000**				**1,500,000**	

Program - Activity: Utilities - Electric Production
Department: Electric Services
Account Number:

Coal Yard Reclamation

Project Status: Delayed Scope Change

Description/Justification
In spring 2016, the Power Plant was converted from coal-fired to natural gas-fired generation. This project is to reclaim the old coal yard, demolishing the existing equipment and associated buildings, removing two underground fuel oil tanks, scraping the residual coal that is still on the site, and filling in the retention basins.

Comments

The coal handling equipment must stay in place throughout the time the Power Plant is burning Refuse Derived Fuel (RDF) to meet regulatory requirements. Therefore, this project will be performed in two phases:

Phase 1) Remove the Underground fuel oil tanks, scrape the surface to remove existing coal, and fill in the retention basins. ($250,000)
Phase 2) Remove the coal handling equipment and associated buildings. ($500,000)

Phase 1 has been accelerated from prior CIPs to enable this property to be repurposed for potential use for a yet to be determined solid waste handling system, without an undue delay.

2023/24	Phase 1	250,000
2028/29	Phase 2	500,000
		750,000

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		50,000					50,000
Construction		450,000					450,000
	Total	**500,000**					**500,000**
Financing:							
Electric Utility Fund		500,000					500,000
	Total	**500,000**					**500,000**

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

Unit 8 Tube Corrosion Injection

Project Status: Delayed

Description/Justification
The Unit 8 superheater tubes previously suffered from severe corrosion caused by the combustion environment created when burning Refuse Derived Fuel with natural gas. Those tubes have now been replaced with tubes having an Inconel coating on them to protect them from this corrosive environment. Staff expects this coating to greatly increase the life span of these tubes. However, the harsh environment created by mixing these two fuels still exists. Continuing to reduce this corrosive environment will increase the tube life span even further.

This project involves the engineering, materials, and labor to install a chemical injection into the gas stream of the boiler. This will hopefully modify the chemical reaction occurring in the boiler, moderating the caustic environment, and further preventing corrosion of the boiler tubes.

Comments
This funding is being delayed from FY 2024/25 to FY 2028/29 so staff can first determine if burning RDF in the Power Plant remains the long-term solution to handle the county's waste.

Location
Power Plant, 200 East Fifth Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Materials/Parts		250,000					250,000
	Total	**250,000**					**250,000**
Financing:							
Electric Utility Fund		250,000					250,000
	Total	**250,000**					**250,000**

Program - Activity: Utilities - Electric Production

Department: Electric Services

Account Number:

Utilities - Water Production/Treatment

							Page
Technical Services Complex Addition	4,487,000	320,000	4,167,000	-	-	-	39
Water Plant Facility Improvements	1,907,000	181,000	1,193,000	230,000	-	303,000	40
Lime Lagoon Improvements	283,000	283,000	-	-	-	-	41
Advanced Metering Infrastructure	99,000	99,000	-	-	-	-	42
Ada Hayden Water Quality Study	23,000	23,000	-	-	-	-	43
Well Field Standby Power	1,273,000	-	1,273,000	-	-	-	44
SAM Pump Station Improvements	124,000	-	124,000	-	-	-	45
Physical/Cyber Security Improvements	260,000	-	65,000	-	-	195,000	46
Prairie View Industrial Center Elevated Tank	11,429,000	-	-	553,000	10,876,000	-	47
Wellhead Rehabilitation	771,000	-	-	671,000	100,000	-	48
Water Treatment Plant Pumps/Drives	1,474,000	-	-	-	-	1,474,000	49
MAC Elevated Tank Repainting	1,361,000	-	-	-	-	1,361,000	50
Total Project Expenditures	**23,491,000**	**906,000**	**6,822,000**	**1,454,000**	**10,976,000**	**3,333,000**	
Funding Sources:							
Debt:							
State Revolving Fund Loans	15,916,000	320,000	4,167,000	553,000	10,876,000	-	
City:							
Water Utility Fund	6,591,000	586,000	1,671,000	901,000	100,000	3,333,000	
Other:							
Federal/State Grants	984,000	-	984,000	-	-	-	
Total Funding Sources	**23,491,000**	**906,000**	**6,822,000**	**1,454,000**	**10,976,000**	**3,333,000**	

Technical Services Complex Addition

Project Status: New

Description/Justification
This project will renovate the interior of the Technical Services Complex (TSC) and add additional square footage. The renovation will include: converting the small first floor conference room into an office and storage area; converting the old kitchenette into a first aid/lactation room; replacing damaged and stained ceiling tiles in the laboratory; and a general refresh of flooring and wall coverings throughout the building. The addition will include: a new conference room space; new restrooms and kitchenette, garage/storage space for the Laboratory Services and Water Meter Divisions; and an elevator.

Comments
The Technical Services Complex, which houses the Water Meter Division on the first floor and the Laboratory Services Division on the second floor, was constructed in 1990. The reconfiguration of the building along with new space will allow the building to continue to meet the needs of the two div isions for another generation. The addition will be within the footprint of the recently demolished old Water Treatment Plant.

This project originally appeared in the FY 2022-2027 CIP, but was deleted when costs on other projects were increasing dramatically. Now that prices appear to be moderating, this important project has been reinstated. It will be funded using a Drinking Water State Revolving Fund (DW SRF) loan. The debt service on the loan would be repaid equally from the Water Fund and the Sewer Fund.

Location
300 East 5th Street

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	487,000	320,000	167,000			
Construction	4,000,000		4,000,000			
Total	**4,487,000**	**320,000**	**4,167,000**			
Financing:						
Drinking Water State Revolving Fund	4,487,000	320,000	4,167,000			
Total	**4,487,000**	**320,000**	**4,167,000**			

Program - Activity:	Department:	Account Number:
Utilities - Water Meter / Laboratory Services	Water and Pollution Control	512-3940-489
		512-3940-489

Water Plant Facility Improvements **Project Status:** Cost Change Scope Change

Description/Justification
This project involves annual equipment repairs, major maintenance activities, replacement, and upgrades at the City's Water Treatment Plant, Technical Services Complex (TSC), and associated remote facilities such as wells, elevated tanks, and booster pump stations. Each of the identified items are stand-alone projects. The cost and scope will vary from year to year as old projects are completed and new projects are added.

Comments
The schedule for these improvements is as follows:

2024/25	Add a variable frequency drive (VFD) on High Service Pump D ($61,000); install chlorine analyzers in distribution system ($48,000); old high service pump station pipe coatings and hardware replacement ($72,000)
2025/26	Upsize High Service Pump Station connection to distribution system ($240,000); add third slaker ($873,000); addition or replacement of Distribution System Monitoring Network ($80,000)
2026/27	Minor routine maintenance on switchgear at Water Treatment Plant and the Old High Service Pump Station ($85,000); clean both ground storage reservoirs at old plant site ($145,000)
2028/29	Replace Supervisory Control and Data Acquisition (SCADA) servers and Wonderware software ($221,000); addition or replacement of Distribution System Monitoring Network ($82,000)

Location
Technical Services Complex, 300 East 5th Street and Water Treatment Plant, 1800 East 13th Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		137,000		122,000	15,000		
Construction		1,770,000	181,000	1,071,000	215,000		303,000
	Total	**1,907,000**	**181,000**	**1,193,000**	**230,000**		**303,000**
Financing:							
Water Utility Fund		1,907,000	181,000	1,193,000	230,000		303,000
	Total	**1,907,000**	**181,000**	**1,193,000**	**230,000**		**303,000**

Program - Activity: Utilities - Water Treatment
Department: Water and Pollution Control
Account Number: Various

Lime Lagoon Improvements

Project Status: Scope Change Cost Change

Description/Justification
This program includes major maintenance to the lime lagoons, as well as periodic improvements to increase available working capacity.

Comments
Lime residuals from the water softening process are stored and dewatered in large storage lagoons. The material is removed annually in the fall and recycled by applying it to farm fields as an agricultural liming agent. The cost of the annual removal and application is budgeted in the operating budget.

The project planned in FY 2024/25 will rebuild the trench drain in the bottom of two of the oldest cells. These drains aid in the dewatering process. Over time, they have plugged with fine lime particles and have been damaged due to the excavation of lime from the cells using a backhoe. The purchase of a replacement decant pump ($61,000) is also planned for FY 2024/25.

FY 2024/25 Underdrain replacements in existing cells ($222,000); replace existing decant pump ($61,000)

Construction of the new lime storage cell shown in last year's CIP has been deleted after a study showed that sufficient capacity exists to carry the Water Plant's needs for the next ten years.

Operating Budget Impact
The modifications will result in improved dewatering of the lime sludge before it is hauled off for disposal. Because that work is bid on a "wet ton" basis, this project is expected to reduce the annual operating budget expense for sludge disposal.

Location
Water Plant lime lagoons, south of East 13th Street, west of the Skunk River

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering							
Construction		222,000	222,000				
Equipment		61,000	61,000				
	Total	**283,000**	**283,000**				
Financing:							
Water Utility Fund		283,000	283,000				
	Total	**283,000**	**283,000**				

Program - Activity: Utilities - Water Treatment
Department: Water and Pollution Control
Account Number: 510-3951-489

Advanced Metering Infrastructure

Project Status: Cost Change

Description/Justification
This is a multi-year project to convert the water meter reading system from the existing generator/remote technology to the current industry standard of Automated Meter Reading / Advanced Metering Infrastructure (AMR/AMI). While the project includes water meter reading only, the system being implemented can be expanded to accommodate electric meters as well.

Comments
The water meter reading system installed prior to 2014 was a mechanical system that transmits the meter reading from the water meter (located inside the property) to a remote register on the outside of the property using a low-voltage cable. This technology is obsolete and is no longer available. A cross-departmental team evaluated multiple technology platforms utilizing various combinations of “walk-by” or “drive-by” reads, radio reads, cellular reads, and other methods of obtaining meter readings. The team concluded that an AMR walk-by or drive-by system would be the most cost-effective short-term solution to replace the old technology. The City has entered into contracts with Itron, Inc. to provide the radio read system, reading equipment, and software; and with Badger Meter, Inc. to provide water meters for this project. This system is capable of being upgraded to a more sophisticated AMI system in the future. An AMI system would provide even more detailed data collection and could allow meter reading from the office without the need to send a meter reader out into the field.

The cost to replace 1,800 meters per year is budgeted in the Water Meter Division’s operating budget (200 meters for new construction and 1,600 for routine meter replacement). In order to complete the conversion in a reasonable amount of time, the cost for an additional 500 replacements has been included as a part of this CIP project for the past several years. This is the final year the project will appear in the CIP. Any remaining meter changes will be covered through the operating budget. The cost change is due to updated pricing for meters, resulting in a slightly lower cost ($22.00 less per meter) than was estimated last year.

Location
City-wide

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Equipment		99,000	99,000				
	Total	**99,000**	**99,000**				
Financing:							
Water Utility Fund		99,000	99,000				
	Total	**99,000**	**99,000**				

Program - Activity: Utilities - Water Meter
Department: Water and Pollution Control
Account Number: 510-3947-489

Ada Hayden Water Quality Study

Project Status: No Change

Description/Justification
Since the mid-1970s, the lakes at Ada Hayden Park have been used by the Ames Water Plant as a source for augmenting alluvial groundwater recharge during periods of low flows in the South Skunk River. In addition to the drinking water use, the lakes are a defining feature of Ada Hayden Heritage Park, providing a wide array of water-oriented recreational opportunities for the community. This project is part of an on-going effort to monitor the health of the lakes as development occurs in and around the lakes' watershed. In addition to being a valuable tool for City staff, the continued monitoring of the lakes and wetland complexes is of interest to many members of the community.

Comments
A preliminary water quality evaluation was made in 2000 as part of the City's "due diligence" effort prior to purchasing the former Hallett's Quarry property. This evaluation focused primarily on potential contamination of the lakes that could have resulted from the former industrial use of the property. Follow-up investigations were performed in FY 2004/05, FY 2009/10, and again in FY 2017/18. These latter investigations were focused on the overall "health" and water quality in the lakes, looking at parameters such as dissolved oxygen, nitrogen and phosphorus, algae and microcystins, suspended solids and turbidity, and bacteria.

As the watershed has developed, the City has made efforts to encourage land use practices that will not have a negative impact on water quality in the lakes. The long-term intent behind the monitoring effort has been to periodically recheck the lakes (on a five- to seven-year interval) to confirm that the existing land practices have been effective in preserving the in-lake water quality. The intent of this project is to conduct a new monitoring event every five years. The current round of monitoring began in the summer of 2023 and will continue during the summer of 2024.

Location
Ada Hayden Heritage Park

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Contracted Monitoring		23,000	23,000				
	Total	**23,000**	**23,000**				
Financing:							
Water Utility Fund		23,000	23,000				
	Total	**23,000**	**23,000**				

Program - Activity: Utilities - Water Production
Department: Water and Pollution Control
Account Number: 510-3901-489

Well Field Standby Power

Project Status: Delayed Cost Change

Description/Justification
This project will provide standby electrical power to select wells in the Hunziker Youth Sports Complex. Iowa's Water Supply Design Standards require that a water system have redundant electrical power available. Installing standby power for critical remote sites was one of the recommendations contained in the utility's 2020 Physical Security Assessment conducted by the U.S. Department of Homeland Security.

Comments
The wells located in the Hunziker Youth Sports Complex are among the highest capacity wells in the City's inventory. Installing standby power to at least some of these five wells would allow the water utility to continue to produce treated water, at a reduced capacity, in the event of a prolonged power outage. As future well fields are developed, standby power will become a standard design element. This includes the North River Valley Well Field currently under construction, which will have the ability to be fed by the emergency generator at the Water Treatment Plant.

This project was originally included in the FY 2021/22 CIP. It has been in the review process at the state and federal level since January 2022. The funding has been carried over into the FY 2023/24 amended budget. Delays in the grant approval process, along with the anticipated lengthy delivery time on the generator, have led staff to remove the funds from the FY 2023/24 budget and reprogram them for FY 2025/26 to better align with the expected timing of the work. The costs have been updated to account for the delay in the procurement process.

Location
Hunziker Youth Sports Complex

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		171,000		171,000			
Construction		1,102,000		1,102,000			
	Total	**1,273,000**		**1,273,000**			
Financing:							
Water Utility Fund		289,000		289,000			
Hazard Mitigation Grant - Federal		885,600		885,600			
Hazard Mitigation Grant - State		98,400		98,400			
	Total	**1,273,000**		**1,273,000**			

Program - Activity: Utilities - Water Production

Department: Water and Pollution Control

Account Number:

State and Mortensen Pump Station Improvements Project Status: Scope Change Cost Change

Description/Justification
This project will install variable frequency drives (VFD's) and associated controls equipment and programming to two of the existing pumps at the booster pump station located at State Avenue and Mortensen Road (SAM).

Comments
In 2003, the City's water distribution system was split into two separate pressure zones to accommodate growth in the west and southwest portions of the city. To provide increased pressure to the new western pressure zone, a booster pump station was built at the intersection of State Avenue and Mortensen Road.

When pumps are suddenly started or stopped it causes a change in the water distribution system pressure. The rapid pressure swings contribute to rusty water calls and, if severe enough, can cause water main breaks. By installing a VFD (FY 2025/26, $124,000) on a pump, the pump speed can be slowly ramped up or down, thereby dampening the pressure swings. It also allows the pump to be run at less than its full speed, allowing the operators to more closely match the demand from customers.

Initially only three pumps were installed in the station, with accommodations for a fourth future pump. As growth in that area continues to increase, a fourth pump will eventually be required. The fourth pump is currently programmed in FY 2031/32 but could be accelerated depending on changes in demand in the west pressure zone.

Location
Intersection of State Avenue and Mortensen Road

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering							
Construction		124,000		124,000			
	Total	**124,000**		**124,000**			
Financing:							
Water Utility Fund		124,000		124,000			
	Total	**124,000**		**124,000**			

Program - Activity: Utilities - Water Pumping
Department: Water and Pollution Control
Account Number:

Physical and Cyber Security Improvements

Project Status: Scope Change Cost Change

Description/Justification
Maintaining the security of the water system is an extremely high priority. As evidenced by numerous breaches at utilities around the country, as well as repeated assertions by foreign bad actors that utilities are a preferred target, continuous upgrades and improvements are essential to stay ahead of threats.

Comments
Cyber protection projects are performed in coordination with the City's Information Technology staff.

2025/26 Security fencing at State and Mortensen Pump Station and Elevated Tank ($65,000)
2028/29 Upgrade to the Water Treatment Plant access control system ($195,000)

Location
Various locations

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		260,000		65,000			195,000
	Total	**260,000**		**65,000**			**195,000**
Financing:							
Water Utility Fund		260,000		65,000			195,000
	Total	**260,000**		**65,000**			**195,000**

Program - Activity: Utilities - Water Treatment
Department: Water and Pollution Control
Account Number: Various

Prairie View Industrial Center Elevated Tank

Project Status: Cost Change Delayed

Description/Justification
This project involves the construction of a new one-million-gallon elevated tank ("water tower") to serve the Prairie View Industrial Center along Lincoln Way east of Interstate 35.

Comments
In order to meet the anticipated water demands in this new area in east Ames, a new elevated tank is required. The tank will help stabilize pressures at the far eastern edge of the City limits, as well as provide the necessary volume for firefighting purposes in what is envisioned as a moderate to heavy industrial area.

The project schedule has been delayed by one year compared to last year's CIP, and the schedule can continue to be adjusted as needed to meet the pace of development in the industrial park. Cost estimates were updated in September 2023 to reflect regional increases in the manufacturer's base costs. The hydraulic model of the distribution system will be updated as development in the industrial park unfolds to determine when the tank will be required.

Location
Intersection of East Lincoln Way and 580th Avenue

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	553,000			553,000		
Construction	10,876,000				10,876,000	
Total	**11,429,000**			**553,000**	**10,876,000**	
Financing:						
Drinking Water State Revolving Fund	11,429,000			553,000	10,876,000	
Total	**11,429,000**			**553,000**	**10,876,000**	

Program - Activity: Utilities - Water Pumping
Department: Water and Pollution Control
Account Number:

Wellhead Rehabilitation

Project Status: Scope Change Cost Change

Description/Justification
The City currently has 22 wells, with three new wells under construction. This project involves periodic rehabilitation of the aboveground components of the wellheads. A new scope item has been identified to add a variable frequency drive to Well 22.

Comments
A project was completed in FY 2019/20 that replaced the programmable logic controllers (PLC), segregated the electrical components into separate low and high voltage cabinets, and sandblasted and repainted the aboveground wellheads in 10 wells. A separate project in FY 2021/22 replaced the PLC's and radios in the other 12 wells but did not include the repainting or electrical component segregation.

The FY 2026/27 project will repaint the wellheads and separate the electrical components into high and low voltage cabinets for the 12 wells that were not included in the FY 2019/20 project.

A prior scope item to replace the well meters has been deleted from this project. Instead, a few meters will be replaced each fiscal year out of the operating budget. A new scope item has been added in FY 2027/28 to install a variable frequency drive on Well 22, allowing the plant operators greater control over the volume of water brought into the treatment plant. With the ability to vary the output of Well 22, the operators can better optimize the multiple factors used to determine which well combinations to use at any given time.

Ongoing PLC replacements are scheduled every 10 years, although the schedule may be adjusted depending on replacement parts availability and technology advancements.

Location
Wells located in multiple well fields

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		16,000				16,000	
Construction		755,000			671,000	84,000	
	Total	**771,000**			**671,000**	**100,000**	
Financing:							
Water Utility Fund		771,000			671,000	100,000	
	Total	**771,000**			**671,000**	**100,000**	

Program - Activity: Utilities - Water Production

Department: Water and Pollution Control

Account Number:

New Pumps and Drives at Water Treatment Plant **Project Status:** New

Description/Justification
This project will add two new high service pumps with variable frequency drives to the pump station located at the Water Treatment Plant.

Comments
The Water Treatment Plant was designed to accommodate up to six high service pumps. Only two pumps were installed initially due to piping restrictions on East 13th Street. Over time, the distribution mains on East 13th are planned to be upsized. As that work occurs, new pumps will be added to the pump station. Ultimately, the pumping capacity at the Water Treatment Plant will be increased to mirror the capacity at the pump station located at the site of the old water treatment plant.

Without a specialized drive, the pumps would either run at full speed, or be off. The new pumps will be equipped with variable frequency drives that allow the pumps to be slowed down below their maximum speed. This enables the operators to better match the water demand by customers. It also allows pumps to be slowed during periods of peak electrical demand.

The final two pumps are projected to be needed in FY 2035/36, based on current demand growth patterns.

Location
Water Treatment Plant, 1800 East 13th Street

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		164,000					164,000
Construction		1,310,000					1,310,000
	Total	**1,474,000**					**1,474,000**
Financing:							
Water Utility Fund		1,474,000					1,474,000
	Total	**1,474,000**					**1,474,000**

Program - Activity: Utilities - Water Pumping
Department: Water and Pollution Control
Account Number:

Mortensen and County Line Elevated Tank Repainting

Project Status: New

Description/Justification
This project involves repainting of the Mortensen and County Line (MAC) Elevated Tank.

Comments
The MAC tank was constructed in 2003. Every three years the tank is taken out of service so that the interior can be cleaned and inspected. The exterior of the tank is power washed as needed to maintain the tank's appearance and to maintain the coating system. The painting system used at that time had a reported 20-year life but has held up well, allowing the repainting to be postponed. Repainting the tank is now planned for FY 2028/29. Staff will be closely monitoring the tank to ensure the repainting occurs when the existing coatings begin to fail. The work will involve sandblasting both the interior and exterior of the tank, applying new primer, and repainting the tank.

Although this is the first time this activity has appeared in the Capital Improvements Plan, the work has been a part of the Water Fund rate model for several years.

Location
900 South 500th Avenue

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		1,361,000					1,361,000
	Total	**1,361,000**					**1,361,000**
Financing:							
Water Utility Fund		1,361,000					1,361,000
	Total	**1,361,000**					**1,361,000**

Program - Activity: Utilities - Water Pumping

Department: Water and Pollution Control

Account Number:

Water Pollution Control

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Nutrient Reduction Modifications	52,000,000	25,760,000	26,240,000	-	-	-	52
Cogeneration System Maintenance	1,384,000	180,000	1,204,000	-	-	-	53
Watershed-Based Nutrient Reduction	2,625,000	525,000	525,000	525,000	525,000	525,000	54
WPC Plant Facility Improvements	858,000	-	144,000	-	514,000	200,000	55
Lift Station Improvements	786,000	-	100,000	325,000	-	361,000	56
Clarifier Maintenance	750,000	-	-	750,000	-	-	57
Total Project Expenditures	**58,403,000**	**26,465,000**	**28,213,000**	**1,600,000**	**1,039,000**	**1,086,000**	
Funding Sources:							
Debt:							
State Revolving Fund Loans	52,000,000	25,760,000	26,240,000	-	-	-	
City:							
Sewer Utility Fund	4,731,000	380,000	1,601,000	1,275,000	714,000	761,000	
Water Utility Fund	47,000	-	47,000	-	-	-	
Total City Funding	4,778,000	380,000	1,648,000	1,275,000	714,000	761,000	
Other:							
Grant Funds	1,625,000	325,000	325,000	325,000	325,000	325,000	
Total Funding Sources	**58,403,000**	**26,465,000**	**28,213,000**	**1,600,000**	**1,039,000**	**1,086,000**	

Nutrient Reduction Modifications – Phase 1

Project Status: Cost Change

Description/Justification
In 2013, the Iowa Department of Natural Resources (DNR) released the Iowa Nutrient Reduction Strategy. This strategy requires the largest wastewater facilities in Iowa – both municipal and industrial – to install process changes to meet nutrient removal targets. A feasibility study for the Ames Water Pollution Control Facility was conducted in 2019. That study recommended a phased conversion of the facility to biological nutrient removal over a period of 20 years. Following Council approval, it was forwarded to the Iowa DNR who approved the plan and the timeline. That timeline is now included as a "Special Condition" in the facility's discharge permit.

Comments
A design contract was awarded in the spring of 2022 for the first phase of the nutrient reduction modifications. The phasing strategy will initially construct half of the ultimate aeration basin capacity along with new bar screens, grit removal equipment, a relocated administration building, and other associated components. The second phase will include the remaining aeration basin capacity and a waste sludge thickening facility, and is scheduled for design starting in FY 2035/36.

The costs shown in the table to the right are based on the Facility Plan approved by Council in May 2023 and subsequently approved by the Iowa DNR. The cost estimates will continue to be refined as the design is completed. The Sewer Fund rate model assumes this project will be financed using a Clean Water State Revolving Fund (SRF) loan.

Phase 1 Nutrients + Headworks Est. 1st half 2024 bid	$52,000,000
Phase 2 Nutrients Est. 1st half 2035 bid date	$58,350,000

Location
WPC Facility; four miles south of Highway 30, east of Interstate 35

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		2,000,000	1,000,000	1,000,000			
Construction		49,520,000	24,760,000	24,760,000			
Furniture & Fixture Allowance		480,000		480,000			
	Total	**52,000,000**	**25,760,000**	**26,240,000**			
Financing:							
Clean Water State Revolving Fund		52,000,000	25,760,000	26,240,000			
	Total	**52,000,000**	**25,760,000**	**26,240,000**			

Program - Activity:	**Department:**	**Account Number:**
Utilities - WPC Facility	Water and Pollution Control	522-3420-489

Cogeneration System Maintenance

Project Status: Delayed

Description/Justification
This project includes the ongoing major maintenance needs of the Water Pollution Control (WPC) Facility's cogeneration system and hauled waste receiving infrastructure. The specific project planned at this time is the construction of a new a fats, oils, and grease (FOG) receiving station.

Comments
The FOG receiving station will improve the receiving capabilities of the facility by paving the unloading areas, changing to more appropriate pumping capabilities, and better incorporating the ability to accept hauled food waste that has been diverted away from the Resource Recovery Plant (RRP). The funds were originally authorized in FY 2022/23, but the project is now shown as delayed to allow time to better coordinate with any new food waste diversion programs at the RRP. Funds for design are planned in FY 2024/25 with construction to occur the following year.

This project helps achieve the reduction in waste emissions action step in the City's proposed Climate Action Plan. The diverted food waste will be anaerobically digested to produce additional methane that can be used for on-site electricity generation at WPC.

2024/25	Design Phase	180,000
2025/26	Construction Phase	1,204,000
		1,384,000

Location
WPC Facility; four miles south of Highway 30, east of Interstate 35

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		180,000	180,000				
Construction		1,204,000		1,204,000			
	Total	**1,384,000**	**180,000**	**1,204,000**			
Financing:							
Sewer Utility Fund		1,384,000	180,000	1,204,000			
	Total	**1,384,000**	**180,000**	**1,204,000**			

Program - Activity:	Department:	Account Number:
Utilities - WPC Facility	Water and Pollution Control	520-3470-489

Watershed-Based Nutrient Reduction

Project Status: Scope Change

Description/Justification
The Water Pollution Control Facility is being converted to a nutrient removal treatment technology. Separate from the work that will occur inside the treatment plant, watershed-based improvements performed by the City can be included in the Iowa Nutrient Reduction Exchange and "banked" as credit toward any future, more stringent nutrient reduction requirements imposed on the WPC Facility. This project sets aside $200,000 from the Sewer Fund per year that can be put toward urban and rural watershed improvements that have a nutrient reduction component. Those funds are then leveraged to obtain grants and funding from other partner organizations.

Comments
Projects undertaken will not only have a nutrient reduction element, but will also provide additional, ancillary benefits such as flood risk reduction, drought risk reduction, increased recreational opportunities, improved wildlife habitat, urban storm water management, and drinking water source protection. Examples of projects currently underway include:

- In-field conservation practices such as cover crops
- Land retirement
- Edge-of-Field conservation practices such as saturated buffers and bioreactors (including an expansion into Hamilton County)
- Constructed wetlands

Because staff has received interest in a possible expansion of the Edge-of-Field project into the Hamilton County portion of the Ioway Creek watershed, that project is shown as increasing in scope. The overall annual commitment from the Sewer Fund remains the same as shown previously at $200,000 per year.

Location
Throughout and upstream of the community; specific locations will vary by year

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Edge-of-Field Practices	2,000,000	400,000	400,000	400,000	400,000	400,000
Other Watershed Projects	625,000	125,000	125,000	125,000	125,000	125,000
Total	**2,625,000**	**525,000**	**525,000**	**525,000**	**525,000**	**525,000**
Financing:						
Sewer Utility Fund	1,000,000	200,000	200,000	200,000	200,000	200,000
Grants & Partnerships	1,625,000	325,000	325,000	325,000	325,000	325,000
Total	**2,625,000**	**525,000**	**525,000**	**525,000**	**525,000**	**525,000**

Program - Activity: Utilities - WPC Facility
Department: Water and Pollution Control
Account Number: Various

WPC Plant Facility Improvements

Project Status: Scope Change Cost Change

Description/Justification
It is necessary to plan for the orderly repair, replacement, and upgrade of Water Pollution Control (WPC) Facility equipment in order to continue high-quality treatment and comply with environmental regulations. This project involves annual equipment repairs, maintenance, replacement, and upgrades at the plant. This facility became fully operational in November 1989. Life expectancies for plant equipment vary from five to six years to more than thirty years.

Comments
The electric service and controls for the remote storage building and grain bins (part of the farm management associated with biosolids disposal) will be upgraded in FY 2025/26. The atomic absorption spectrophotometer also planned in FY 2025/26 is used by the Laboratory to detect heavy metals in the wastewater and biosolids, as well as for drinking water analysis. This expense will be shared between the Water and Sewer Funds. Funds are allocated in FY 2027/28 to work on some of the many buried valves and valve operators throughout the plant that will not be impacted by the Nutrient Reduction project. In that same year, the wet wells in the Raw Water and Trickling Filter Pump Stations will be cleaned. This task has been intentionally scheduled after the new bar screens are installed (a part of the Nutrients Reduction project), as the new screens will significantly reduce the volume of solids that enters these facilities. Similarly, funds are planned in FY 2028/29 to address gates, valves and actuators throughout the plant that are not being replaced as a part of the Nutrient Reduction project.

The schedule for these improvements is as follows:

2025/26 Remote Storage Building and Grain Bin Controls ($50,000); Replace Atomic Absorption Spectrophotometer ($94,000)
2027/28 Buried Valve Maintenance ($100,000); Clean Raw Water and Trickling Filter Pump Station Wet Wells ($414,000)
2028/29 Maintenance on Splitter Boxes, Gates, Valves, and Actuators ($200,000)

Location
WPC Facility; four miles south of Highway 30, east of Interstate 35

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering						
Construction & Equipment	858,000		144,000		514,000	200,000
Total	**858,000**		**144,000**		**514,000**	**200,000**
Financing:						
Sewer Utility Fund	858,000		97,000		514,000	200,000
Water Utility Fund			47,000			
Total	**858,000**		**144,000**		**514,000**	**200,000**

Program - Activity: Utilities - WPC Facility
Department: Water and Pollution Control
Account Number:

Lift Station Improvements

Project Status: Cost Change Scope Change

Description/Justification
This project includes periodic maintenance and repair of the City's wastewater lift stations.

Comments
The project in FY 2025/26 will connect all five of the City's wastewater lift stations to the Water Pollution Control Facility using a cellular connection. It will bring back data such as wet well level, alarm status, pump run times, and other information that is important to the plant operators. The existing system uses land lines and only relays alarms via voice message to the plant's main telephone number. The proposed system would transmit data every 15 minutes and connect into the plant SCADA system, giving the operators a better picture of what is happening in the stations and would prevent unnecessary callouts during off-shift hours. This project will also include the installation of a wireless flow monitoring device that can be mounted anywhere in the collection system, providing flow information to both the plant operators and the Public Works operations staff. If the system works as envisioned, additional units would be budgeted in future years.

The FY 2026/27 work is to replace the aging pumps, piping, valves, manhole hatch, and controls at the Freel Drive lift station.

The FY 2028/29 project will remove the Northwood Lift station and replace it with a gravity sewer. Where feasible, replacing a lift station with a gravity sewer eliminates maintenance needs, eliminates the need for electricity to pump the wastewater, and reduces the risk of sewer overflows due to failures of mechanical equipment. The Northwood station serves a small number of homes and no additional development (or flow) is expected for the area.

Location
Multiple lift stations across the city

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		71,000			38,000		33,000
Construction & Equipment		715,000		100,000	287,000		328,000
	Total	**786,000**		**100,000**	**325,000**		**361,000**
Financing:							
Sewer Utility Fund		786,000		100,000	325,000		361,000
	Total	**786,000**		**100,000**	**325,000**		**361,000**

Program - Activity: Utilities - WPC Facility

Department: Water and Pollution Control

Account Number:

Clarifier Maintenance

Project Status: No Change

Description/Justification
This project includes repainting the steel structures of the Primary (3 of 4), Intermediate (2 of 2), and Final (2 of 2) Clarifiers. The coatings protect the steel elements from the harsh conditions present both in the submerged portions of the clarifiers as well as at the air/water interface.

Comments
The structures were last repainted over a period of several years between 2005 and 2012. The typical life of a recoating project is 15-20 years in this application. The actual cost will depend on the condition of the coating system at the time of the project, and the scope could range from spot touch-ups to full blasting and recoating. All of these structures will remain in service following the Nutrient Reduction project.

Location
WPC Facility; four miles south of Highway 30, east of Interstate 35

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		750,000			750,000		
	Total	**750,000**			**750,000**		
Financing:							
Sewer Utility Fund		750,000			750,000		
	Total	**750,000**			**750,000**		

Program - Activity: Utilities - WPC Plant

Department: Water and Pollution Control

Account Number:

Water Distribution

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Water System Improvements	13,250,000	2,050,000	2,050,000	2,500,000	3,900,000	2,750,000	59
Total Project Expenditures	**13,250,000**	**2,050,000**	**2,050,000**	**2,500,000**	**3,900,000**	**2,750,000**	
Funding Sources:							
Debt:							
Water Utility Fund	13,250,000	2,050,000	2,050,000	2,500,000	3,900,000	2,750,000	
Total Funding Sources	**13,250,000**	**2,050,000**	**2,050,000**	**2,500,000**	**3,900,000**	**2,750,000**	

Water System Improvements

Project Status: No Change

Description/Justification
This program provides for replacing aged water mains in areas that experience rusty water problems, generally caused by aged cast iron pipe (most often 4-inch and 6-inch but also some larger mains such as 12-inch). It also provides for installing larger distribution mains in areas with 4-inch supply lines, transferring water services from 4-inch water mains in streets where larger water mains exist, and abandoning 4-inch water mains. Eliminating duplicate water mains, where possible, improves water flow and helps reduce rusty water. Installing larger distribution lines in areas that have a high concentration of 4-inch supply lines and less than desirable firefighting capacity (predominantly in the older areas of the community) provides larger supply quantities in relation to the current and proposed land uses, in accordance with the Land Use Policy Plan. This program also includes projects to loop the water system to provide improved pressures, circulation, and redundancy to the community. The improvements may also include areas with maintenance issues, such as those that experience a large number of water main breaks or the replacement of leaking valves on larger water mains along major roadways where the complexity of the project encourages replacement by a contractor.

Comments
Rusty water complaints highlight the continuing need to replace the aged 4-inch and 6-inch cast iron water mains in order to provide firefighting capacity and improved water quality in the system. The system currently has 6.9 miles of active 4-inch water main (estimated replacement cost $12 million) and 32.5 miles of active, aged 6-inch cast iron water main (estimated cost $45 million). An estimated 186 active lead services (estimated cost of $1 million) are still connected to these older mains, although records are unreliable, resulting in additional lead services being discovered over time. Improvements to these water mains will result in reduced maintenance costs. Annual funding continues to be increased in this program to accelerate the replacement of utilities.

These public infrastructure projects are a high priority needed to continue improving the public water system to enhance water quality and firefighting capacity to the community.

Location
Water system improvements and water service transfers will be completed at various locations in the community. Project locations will be coordinated with upcoming roadway improvement projects to minimize construction impacts on neighborhoods.

The FY 2027/28 fiscal year includes a $1,400,000 project to extend a larger water main along E 13th Street to the Water Plant prior to the installation of additional pumps at the new Water Plant.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		1,932,500	280,000	280,000	375,000	585,000	412,500
Construction		11,317,500	1,770,000	1,770,000	2,125,000	3,315,000	2,337,500
	Total	**13,250,000**	**2,050,000**	**2,050,000**	**2,500,000**	**3,900,000**	**2,750,000**
Financing:							
Water Utility Fund		13,250,000	2,050,000	2,050,000	2,500,000	3,900,000	2,750,000
	Total	**13,250,000**	**2,050,000**	**2,050,000**	**2,500,000**	**3,900,000**	**2,750,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Water Distribution	Public Works	510-8461-489

Sanitary Sewer System

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Sanitary Sewer System Improvements	8,200,000	350,000	350,000	2,500,000	2,500,000	2,500,000	61
Clear Water Diversion	250,000	50,000	50,000	50,000	50,000	50,000	62
Total Project Expenditures	**8,450,000**	**400,000**	**400,000**	**2,550,000**	**2,550,000**	**2,550,000**	
Funding Sources:							
City:							
Sewer Utility Fund	8,450,000	400,000	400,000	2,550,000	2,550,000	2,550,000	
Total Funding Sources	**8,450,000**	**400,000**	**400,000**	**2,550,000**	**2,550,000**	**2,550,000**	

Sanitary Sewer System Improvements

Project Status: Scope Change Cost Decrease

Description/Justification
This is the annual program for rehabilitation and reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the City. Most problem areas are in sewers that can be bundled into a construction package for cost efficiency, or in problem areas deeper than City crews are equipped to handle. This program provides for those repairs by outside firms. Activities include rehabilitating or replacing manholes, repairing, or lining pipe, and similar work. The goal of this program is to identify and remove major sources of inflow/infiltration as a means of lowering the peak wet weather flow at the treatment plant.

Comments
System improvement locations have been identified through the Sanitary Sewer System Evaluation (SSSE) field investigation completed in 2012. Through manhole inspections, smoke testing, and televising, severe structural defects (ratings of "4" or "5") were identified as priorities within this program. It was originally estimated that the system would need $25,700,000 in funding over 10 years to upgrade infrastructure with ratings of "4" or "5". Since the program commenced in FY 2015/16, however, construction costs have inflated at a higher rate than anticipated causing extensions to the timeframe. To date, $18,411,110 of improvements have taken place and it is estimated that the $24,000,000 needed to upgrade the remaining "4" and "5" rated sewers. Sewer infrastructure continues to degrade following the 2012 evaluation causing additional sewers to need spot repairs and rehabilitation.

In order to minimize the impact on ratepayers the staff reduced nearly $9 million in the next two years. The following three years were reduced by roughly $1.1 million dollars each year. Staff anticipates finishing the substantial number of projects (approximately $15 million) that have encountered delays outside of the City's control.

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	1,500,000			500,000	500,000	500,000
Construction	6,700,000	350,000	350,000	2,000,000	2,000,000	2,000,000
Total	**8,200,000**	**350,000**	**350,000**	**2,500,000**	**2,500,000**	**2,500,000**
Financing:						
Sewer Utility Fund	8,200,000	350,000	350,000	2,500,000	2,500,000	2,500,000
Total	**8,200,000**	**350,000**	**350,000**	**2,500,000**	**2,500,000**	**2,500,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Sanitary Sewer	Public Works	520-8542-489

Clear Water Diversion

Project Status: No Change

Description/Justification
This annual program provides for the installation of sub-drain lines to collect footing drain discharge from sump lines on individual properties.

Clear water from footing drains contributes to overloading and backups in the sanitary sewer system, as well as increases in the volume of clean water that is treated at the City's Water Pollution Control facility. This program involves diverting footing drain discharges from the sanitary sewers to the City's storm sewers. This diversion results in lower volumes of clean water needing treatment at the Water Pollution Control facility, thereby decreasing operating and maintenance costs at that facility. In addition, customers within the community should experience even fewer, less severe sanitary sewer backups.

Comments
Project locations are chosen where problem areas caused by discharge to the street are identified. These include locations where multiple existing discharge lines may be connected and where a new collector line can connect a new discharge while providing the opportunity for future connections to be made.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		250,000	50,000	50,000	50,000	50,000	50,000
	Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**
Financing:							
Sewer Utility Fund		250,000	50,000	50,000	50,000	50,000	50,000
	Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**

Program - Activity: Utilities - Sanitary Sewer

Public Works

Account Number: 520-8585-489

Stormwater

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Stormwater Erosion Control Program	5,000,000	750,000	1,250,000	750,000	850,000	1,400,000	64
Stormwater Improvement Program	3,250,000	650,000	650,000	650,000	650,000	650,000	65
Low Point Drainage Improvements	1,100,000	350,000	500,000	250,000	-	-	66
Stormwater Quality Improvements	900,000	100,000	200,000	200,000	200,000	200,000	67
Stormwater Detention/Retention Maint	150,000	-	-	150,000	-	-	68
South Skunk River Improvements	600,000	-	-	-	600,000	-	69
Total Project Expenditures	**11,000,000**	**1,850,000**	**2,600,000**	**2,000,000**	**2,300,000**	**2,250,000**	
Funding Sources:							
Debt:							
G.O. Bonds	600,000	-	-	-	600,000	-	
City:							
Stormwater Utility Fund	9,200,000	1,450,000	2,200,000	2,000,000	1,700,000	1,850,000	
Other:							
Grant Funds	1,200,000	400,000	400,000	-	-	400,000	
Total Funding Sources	**11,000,000**	**1,850,000**	**2,600,000**	**2,000,000**	**2,300,000**	**2,250,000**	

Stormwater Erosion Control Program

Project Status: Revenue Change

Description/Justification
This annual program provides for the stabilization of areas that have become eroded in streams, channels, swales, gullies, or drainage ways that are part of the City's stormwater system. This program provides a more permanent erosion control and will reduce recurring maintenance costs in these areas.

Comments
Following the floods of 2010, an Urban Stream Assessment was updated to rate the stream banks of each tributary of Ada Hayden, College Creek, Clear Creek, Onion Creek, Worrell Creek, Ioway Creek, and the South Skunk River. This assessment identified areas where stabilization is a priority. As monitoring activities associated with the National Pollutant Discharge Elimination System (NPDES) permit requirements continue, additional locations for future improvements will be identified.

The State Revolving Fund (SRF) Sponsored Project funding previously designated for this program was a grant connected with SRF funding for the Sanitary Sewer Rehabilitation Program. The Iowa Department of Natural Resources and Iowa Finance Authority is significantly changing this program. Therefore, the source of revenue has been updated to reflect Water Quality Grants, which can be from federal, state, or non-profit programs.

Staff receives numerous communications from residents requesting these projects and asking for updates on the status. This is a high-priority program.

Location

2024/25	Clear Creek bank stabilization (west of North Dakota Avenue)
2025/26	Canterbury Court Waterway and Mortensen Pkwy/University Blvd (Gateway Hill Park)
2026/27	Ioway Creek (Stange Rd/Veenker Golf Course)
2027/28	Dayton Avenue (east side ditch along USDA Facility) and Worrell Creek (Ames Airport)
2028/29	Clear Creek bank stabilization and restoration (former Sands-McDorman property)

Stuart Smith Park has been identified for inclusion in the Capital Improvement Plans after this five-year period.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		920,000	150,000	250,000	150,000	170,000	200,000
Construction		4,080,000	600,000	1,000,000	600,000	680,000	1,200,000
	Total	**5,000,000**	**750,000**	**1,250,000**	**750,000**	**850,000**	**1,400,000**
Financing:							
Stormwater Utility Fund		3,800,000	350,000	850,000	750,000	850,000	1,000,000
Water Quality Grant		1,200,000	400,000	400,000			400,000
	Total	**5,000,000**	**750,000**	**1,250,000**	**750,000**	**850,000**	**1,400,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Stormwater	Public Works	560-8640-489 561-8640-489

Stormwater Improvement Program

Project Status: No Change

Description/Justification
This annual program is to repair or replace deteriorated storm sewer pipes and intakes. Areas of concentration will be locations programmed for street improvements and areas where structural deficiencies are identified.

Many existing intakes are brick or concrete and have experienced repeated “freeze/thaw” conditions during winters and springs. This repeated freeze/thaw action causes bricks and mortar to deteriorate, resulting in collapsed intakes. This program provides for a proactive response by contractually repairing and replacing intakes on a scheduled basis. In addition to the contractual work provided in this program, City crews provide immediate repair of those intakes that pose an immediate concern for life, health, or safety.

Comments
Through citizen inquiries and storm sewer inspections by maintenance crews, staff has identified storm sewer structural deficiencies within the system. These include areas where the pipe has cracked or is missing sections or pieces of pipe. This program provides funding to correct these deficiencies.

Completion of the Stormwater System Analysis will identify the need for additional improvements as part of the program. This could result in changes to this program beginning in FY 2025/26.

The results of the 2023 Resident Satisfaction Survey showed stormwater drainage improvements being somewhat or very important to the 78% of respondents.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		500,000	100,000	100,000	100,000	100,000	100,000
Construction		2,750,000	550,000	550,000	550,000	550,000	550,000
	Total	**3,250,000**	**650,000**	**650,000**	**650,000**	**650,000**	**650,000**
Financing:							
Stormwater Utility Fund		3,250,000	650,000	650,000	650,000	650,000	650,000
	Total	**3,250,000**	**650,000**	**650,000**	**650,000**	**650,000**	**650,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Stormwater	Public Works	560-8642-489

Low Point Drainage Improvements

Project Status: No Change

Description/Justification
This is the annual program for drainage improvements to decrease flooding at low points in the community. These improvements are not only focused on residential street locations, but specifically on those locations most in need of the improvements as affected by standing water, localized flooding, and insufficient pipe capacity. During heavy rainfall events, some areas become flooded and damage to private property occasionally occurs. This program provides for installation of drainage improvements to decrease this flooding at low points. These improvements may include construction of detention areas, new pipe systems, and replacement systems to increase the ability to control the runoff so it can be carried away to downstream systems.

Comments
Addressing these drainage issues will reduce localized flooding problems on both public and private property. Fewer barricades will need to be set out in areas that flood during heavy rains. Locations previously identified for improvements as part of this program, along with new areas for which complaints were received over the past year, have been prioritized as shown below.

Staff receives numerous communications from residents requesting these projects and asking for updates on the status. Addressing these stormwater and localized flooding concerns will continue to be a high priority based on significant feedback received as part of the Resident Satisfaction Survey.

Location

2024/25	South of Ken Maril Road (extend earthen berm behind 300/400 blocks) and Crystal drainage ditch (east of Crystal Street cul-de-sac)
2025/26	Sixth Street/Duff Avenue, 20th Street/Northwestern Avenue, South Bell Avenue/SE 16th Street, and Grove Avenue/River Oak Drive
2026/27	Duff Avenue/6th Street and Crystal Street (200 Block)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		190,000	52,500	100,000	37,500		
Construction		910,000	297,500	400,000	212,500		
	Total	**1,100,000**	**350,000**	**500,000**	**250,000**		
Financing:							
Stormwater Utility Fund		1,100,000	350,000	500,000	250,000		
	Total	**1,100,000**	**350,000**	**500,000**	**250,000**		

Program - Activity:	**Department:**	**Account Number:**
Utilities - Stormwater	Public Works	560-8653-489

Stormwater Quality Improvements

Project Status: No Change

Description/Justification
This program includes water quality improvements and treatment for new development and re-development in the community. These improvements have been incorporated into the Post Construction Stormwater Management Ordinance. This addresses removal of sediment and nutrients before they enter waterways such as Ioway Creek and South Skunk River. This program includes treatment of the water quality volume from public impervious areas (e.g., streets and parking lots).

Comments
This program includes installation of bioretention cells, vegetated swales, native landscape and rain gardens, soil quality restoration, and other approved best management practices at various locations across the community. These best management practices may be combined with street improvement projects. The involvement of neighborhoods or adjacent landowners is sought to help with day-to-day maintenance and stream restoration projects. Improvements are aligned with the Iowa River Restoration Toolbox practices for natural channel design.

Locations
2024/25 Ada Hayden Sturges Tributary (construction)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	135,000	15,000	30,000	30,000	30,000	30,000
Construction	765,000	85,000	170,000	170,000	170,000	170,000
Total	**900,000**	**100,000**	**200,000**	**200,000**	**200,000**	**200,000**
Financing:						
Stormwater Utility Fund	900,000	100,000	200,000	200,000	200,000	200,000
Total	**900,000**	**100,000**	**200,000**	**200,000**	**200,000**	**200,000**

Program - Activity: Utilities - Stormwater
Department: Public Works
Account Number: 560-8601-489

Stormwater Detention/Retention Maintenance Program

Project Status: No Change

Description/Justification
In accordance with the *Municipal Code*, new developments within the community are required to provide stormwater management quantity control. This means maintaining stormwater runoff discharges at pre-developed conditions through the use of extended detention and/or retention.

Through establishment of developers' agreements, the City of Ames has accepted responsibility for the long-term maintenance of many of these facilities in residential areas. As these facilities age, sediment accumulates, volunteer vegetation becomes more prevalent, erosion occurs, and structures need to be improved. This annual program addresses those concerns.

Comments
As part of the post-construction stormwater management ordinance, commercial and industrial landowners are now responsible to maintain their own stormwater facilities. This ordinance also provides for the homeowner's association or residential development owner to maintain all water quality features. However, the City is responsible for long-term maintenance of the regional detention facilities that provide water quantity control.

Location
2026/27 Ada Hayden wetlands

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		30,000			30,000		
Construction		120,000			120,000		
	Total	**150,000**			**150,000**		
Financing:							
Stormwater Utility Fund		150,000			150,000		
	Total	**150,000**			**150,000**		

Program - Activity: Utilities - Stormwater

Department: Public Works

Account Number:

South Skunk River Improvements

Project Status: No Change

Description/Justification
A comprehensive Flood Mitigation Study was completed following the floods of 2010, and in 2013 the City Council approved a series of flood mitigation measures. These included discrete elements targeted at undertaking a "stream restoration" of Ioway Creek, working with the Iowa Department of Transportation (IDOT) to improve the conveyance capacity of the U.S. Highway 30 bridge, working through the Ioway Creek Watershed Management Authority to pursue flood mitigation alternatives in the upper reaches of the watershed, and conducting a workshop to review and discuss the range of possible floodplain regulatory approaches.

Comments
The IDOT has programmed improvements to the U.S. Highway 30 bridge in the coming years, with a winter 2024 bid letting and construction over several years. Due to river capacity constraints with the U.S. Highway 30 bridges, the design of SE 16th Street and bridge was established to overtop with a 50-year flood event. Considering the IDOT's plans to move forward with capacity changes, a study to increase capacity at the SE 16th Street bridge is being performed.

Location
2027/28 SE 16th Street Bridge (increasing drainage capacity)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		100,000				100,000	
Construction		500,000				500,000	
	Total	**600,000**				**600,000**	
Financing:							
GO Bonds		600,000				600,000	
	Total	**600,000**				**600,000**	

Program - Activity: Utilities - Stormwater
Department: Public Works
Account Number:

Utilities - Resource Recovery

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Resource Recovery System Improvements	1,933,000	650,000	359,000	389,000	274,000	261,000	71
Total Project Expenditures	**1,933,000**	**650,000**	**359,000**	**389,000**	**274,000**	**261,000**	
Funding Sources:							
Debt:							
Resource Recovery Fund	1,933,000	650,000	359,000	389,000	274,000	261,000	
Total Funding Sources	**1,933,000**	**650,000**	**359,000**	**389,000**	**274,000**	**261,000**	

Resource Recovery System Improvements

Project Status: Scope Change

Description/Justification
This program is to purchase new and replacement components and equipment at the City's Resource Recovery Plant. Also included is funding for materials for two annual preventive maintenance projects involving replacement of the rotary disc screen rollers (RDS) and chains and rebuilding the C-1 conveyor. Resource Recovery personnel perform the work to complete the preventive maintenance projects.

Comments

2024/25 Preventive maintenance materials for replacement of #1 mill armored teeth and counter combs ($80,000); RDS rollers and chains ($70,000); new counter comb door for #1 mill ($65,000); #2 mill hammers, hammer shafts, grates ($70,000); replace C-2 belt ($28,000); switchgear cleaning and maintenance ($30,000); #2 mill hopper rebuild ($15,000); mobile trailer for recycling ($20,000); roll offs for recycling ($52,000); recycling bins ($20,000); lay down area for yard trimmings and recycling ($200,000)

2025/26 Preventive maintenance materials for replacement of #1 mill armored teeth and counter combs ($68,000); RDS rollers and chains ($75,000); #2 mill hammers, hammer shafts, grates ($71,000); #1 mill replacement rotor ($65,000); switchgear cleaning and maintenance ($30,000); #2 mill hopper replacement ($50,000)

2026/27 Preventive maintenance materials ($389,000)

2027/28 Preventive maintenance materials ($274,000)

2028/29 Preventive maintenance materials ($261,000)

All these projects are necessary for on-going maintenance of the Plant. The scope change is due to adding projects in FY 2024/25 to expand support and promote the new recycling initiative. Therefore, these may significantly change due to the future plans adopted by City Council for handing municipal solid waste and recycling materials. As part of our Climate Action Plan, Staff continues to explore alternative approaches to current waste-to-energy system.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
System Improvements		1,933,000	650,000	359,000	389,000	274,000	261,000
	Total	**1,933,000**	**650,000**	**359,000**	**389,000**	**274,000**	**261,000**
Financing:							
Resource Recovery Fund		1,933,000	650,000	359,000	389,000	274,000	261,000
	Total	**1,933,000**	**650,000**	**359,000**	**389,000**	**274,000**	**261,000**

Program - Activity:	**Department:**	**Account Number:**
Utilities - Resource Recovery	Public Works	590-9003-489

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TRANSPORTATION

CITY OF Ames™

Transportation

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures							
Street Improvements	56,105,000	4,305,000	11,775,000	16,125,000	12,775,000	11,125,000	74
Shared Use Path System	5,880,000	800,000	1,520,000	1,260,000	1,050,000	1,250,000	86
Traffic Improvements	17,278,000	4,104,000	6,620,000	2,254,000	1,525,000	2,775,000	91
Street Rehabilitation	3,150,000	630,000	530,000	580,000	580,000	830,000	98
Transit System	20,103,289	1,170,268	5,885,846	4,675,203	4,726,127	3,645,845	103
Airport	21,674,000	1,795,000	7,645,500	7,558,500	4,145,000	530,000	109
Total Expenditures	**124,190,289**	**12,804,268**	**33,976,346**	**32,452,703**	**24,801,127**	**20,155,845**	
Funding Sources:							
Debt:							
G.O. Bonds	50,372,396	1,156,100	12,744,040	14,357,256	11,585,000	10,530,000	
G.O. Bonds (previously issued)	1,491,000	1,491,000	-	-	-	-	
Total Debt Funding	51,863,396	2,647,100	12,744,040	14,357,256	11,585,000	10,530,000	
City:							
Road Use Tax	12,183,204	2,641,900	2,911,460	2,069,844	2,030,000	2,530,000	
Local Option Sales Tax	4,785,000	775,000	910,000	1,000,000	1,050,000	1,050,000	
Water Utility Fund	300,000	-	75,000	75,000	75,000	75,000	
Sewer Utility Fund	300,000	-	75,000	75,000	75,000	75,000	
Stormwater Utility Fund	200,000	-	50,000	50,000	50,000	50,000	
Transit Fund	5,898,030	596,000	1,691,096	1,356,230	1,334,015	920,689	
Airport Improvements Fund	600,000	155,000	115,000	25,000	305,000	-	
Total City Funding	24,266,234	4,167,900	5,827,556	4,651,074	4,919,015	4,700,689	
Other:							
MPO/STP Funds	11,004,000	2,934,000	1,790,000	2,400,000	1,680,000	2,200,000	
Federal/State Grants	21,051,159	2,320,268	7,464,250	4,669,373	3,872,112	2,725,156	
Federal Aviation Administration	16,005,500	735,000	6,150,500	6,375,000	2,745,000	-	
Total Other Funding	48,060,659	5,989,268	15,404,750	13,444,373	8,297,112	4,925,156	
Total Funding Sources	**124,190,289**	**12,804,268**	**33,976,346**	**32,452,703**	**24,801,127**	**20,155,845**	

Street Improvements

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
South 16th Street Roadway Widening	3,555,000	3,555,000	-	-	-	-	75
Collector Street Pavement Improvements	5,950,000	750,000	2,200,000	1,500,000	1,500,000	-	76
Asphalt Street Pavement Improvements	14,400,000	-	4,000,000	2,900,000	4,500,000	3,000,000	77
Concrete Pavement Improvements	9,750,000	-	3,600,000	3,350,000	1,300,000	1,500,000	78
Seal Coat Pavement Improvements	3,650,000	-	1,000,000	900,000	750,000	1,000,000	79
Alley Pavement Improvements Program	1,600,000	-	400,000	400,000	400,000	400,000	80
Downtown Street Pavement Improvements	250,000	-	250,000	-	-	-	81
Right-of-Way Restoration	1,300,000	-	325,000	325,000	325,000	325,000	82
Arterial Street Pavement Improvements	7,900,000	-	-	3,000,000	2,400,000	2,500,000	83
CyRide Route Pavement Improvements	6,000,000	-	-	2,000,000	1,600,000	2,400,000	84
Campustown Public Improvements	1,750,000	-	-	1,750,000	-	-	85
Total Project Expenditures	**56,105,000**	**4,305,000**	**11,775,000**	**16,125,000**	**12,775,000**	**11,125,000**	
Funding Sources:							
Debt:							
G.O. Bonds	43,220,000	-	10,050,000	13,400,000	10,770,000	9,000,000	
G.O. Bonds (previously issued)	1,491,000	1,491,000	-	-	-	-	
Total Debt Funding	44,711,000	1,491,000	10,050,000	13,400,000	10,770,000	9,000,000	
City:							
Road Use Tax	500,000	-	125,000	125,000	125,000	125,000	
Water Utility Fund	300,000	-	75,000	75,000	75,000	75,000	
Sewer Utility Fund	300,000	-	75,000	75,000	75,000	75,000	
Stormwater Utility Fund	200,000	-	50,000	50,000	50,000	50,000	
Total City Funding	1,300,000	-	325,000	325,000	325,000	325,000	
Other:							
MPO/STP Funds	10,094,000	2,814,000	1,400,000	2,400,000	1,680,000	1,800,000	
Total Funding Sources	**56,105,000**	**4,305,000**	**11,775,000**	**16,125,000**	**12,775,000**	**11,125,000**	

South 16th Street Roadway Widening

Project Status: No Change

Description/Justification
This project includes widening South 16th Street to four lanes from University Boulevard to Apple Place with turn lanes and traffic control improvements at Christensen Drive & South Riverside Drive (both into Vet Med), culvert extension at Worrell Creek, and improved multi-use paths along the corridor.

Comments
This project includes the following components:

- Reconstruct the existing roadway and multi-use trail segment from University Boulevard to just east of Mulberry Boulevard
- Evaluate raising South 16th Street above the 100-year flood elevation
- Widen this segment of South 16th Street to four lanes, consistent with the segment of South 16th Street east to South Duff Avenue
- Extend the multi-use trails along the north and south sides of South 16th Street to University Boulevard ($378,200)
- Add traffic control signals at South Riverside Drive

The reconstruction segment lies within Iowa State University jurisdiction as an institutional road. This project will achieve the following Community Objectives:

- Complete the minor arterial linkage from University Boulevard to South Duff Avenue with consistent lane configuration, adequate capacity, and improved safety
- Improve route resiliency during flood events
- Remove bottlenecks at Christensen Drive and South Riverside Drive, improving safety for turning traffic and corridor progression
- Improve efficiency of CyRide bus routes with improved corridor progression and possible bus turnouts at high ridership locations
- Improve pedestrian capacity and safety by separating the multi-use trail from the roadway edge
- Expedites completion of the needed project

Active coordination with major stakeholders, including the College of Veterinary Medicine and the Department of Athletics, has been underway through internal University processes.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		325,000	325,000				
Construction		3,230,000	3,230,000				
	Total	**3,555,000**	**3,555,000**				
Financing:							
G.O. Bonds (previously issued)		741,000	741,000				
MPO/STP Funds		2,814,000	2,814,000				
	Total	**3,555,000**	**3,555,000**				

Program - Activity:	**Department:**	**Account Number:**
Transportation - Street Improvements	Public Works	320-8183-439 380-8183-439 381-8183-439

Collector Street Pavement Improvements

Project Status: No Change

Description/Justification.
This is the annual program for reconstruction or rehabilitation of collector streets. Locations are chosen in accordance with the most current street condition inventory.

Comments
Collector street pavement improvements result in lower street maintenance costs and less frequent repairs.

Location

2024/25	Oakland Street (Hawthorne Avenue to Franklin Avenue)
2025/26	Bloomington Road (GW Carver to Eisenhower Avenue)
2026/27	West Street (Crane Avenue to Hillcrest Avenue)
2027/28	Wheeler Street (Hoover Avenue to Roy Key Avenue)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	1,165,000	125,000	440,000	300,000	300,000	
Construction	4,785,000	625,000	1,760,000	1,200,000	1,200,000	
Total	**5,950,000**	**750,000**	**2,200,000**	**1,500,000**	**1,500,000**	
Financing:						
G.O. Bonds	3,800,000		800,000	1,500,000	1,500,000	
G.O. Bonds (previously issued)	750,000	750,000				
MPO/STBG Funds	1,400,000		1,400,000			
Total	**5,950,000**	**750,000**	**2,200,000**	**1,500,000**	**1,500,000**	

Program - Activity:	**Department:**	**Account Number:**
Transportation - Street Improvements	Public Works	381-8132-439 382-8132-439 383-8132-439

Asphalt Street Pavement Improvements

Project Status: No Change

Description/Justification
This is the annual program for reconstruction and resurfacing (rehabilitation) of asphalt streets that are typically located within residential neighborhoods. Streets within residential subdivisions have been installed using full-depth asphalt pavement since mid-1970. Full-depth reconstruction of these streets becomes necessary when structural pavements fail. However, rehabilitation of existing asphalt streets is possible where the base asphalt layer is solid but the surface layer has failed.

This program was created in accordance with City Council's goal of strengthening our neighborhoods.

Comments
Reconstructing or resurfacing these streets reduces ongoing maintenance costs and provides more serviceable roadways for our residents.

Location

2025/26	Hillcrest Avenue, Ellis Street, Kentucky Avenue, Illinois Avenue, Indiana Avenue, Oklahoma Drive and Delaware Avenue (North Dakota Avenue to Ontario Street)
2026/27	Toronto Street (North Dakota Avenue to Garfield Avenue), Garfield Avenue (north and south of Ontario Street), Woodstock Avenue, and Windsor Court
2027/28	Truman Place, Regency Court, Onyx Street, Southdale Drive, and Clemens Boulevard (S. Dakota Avenue to Wilder Avenue)
2028/29	Dickinson Avenue (Mortensen Avenue south through circle), Green Hills Drive (Oakwood Rd to Red Oak Drive), Red Oak Drive/Circle, White Oak Drive/Circle, Burr Oak Circle, Jefferson Street/Circle, Garner Avenue/Circle, Nixon Avenue/Circle

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		2,160,000		600,000	435,000	675,000	450,000
Construction		12,240,000		3,400,000	2,465,000	3,825,000	2,550,000
	Total	**14,400,000**		**4,000,000**	**2,900,000**	**4,500,000**	**3,000,000**
Financing:							
G.O. Bonds		14,400,000		4,000,000	2,900,000	4,500,000	3,000,000
	Total	**14,400,000**		**4,000,000**	**2,900,000**	**4,500,000**	**3,000,000**

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Concrete Pavement Improvements

Project Status: No Change

Description/Justification
This annual program rehabilitates or reconstructs concrete street sections that have deteriorated in order to prevent premature breakdown of the pavement. This work provides enhanced rideability for the City's residents and visitors.

Comments
These improvements reduce ongoing maintenance and repairs needed on the City's streets. The Clark Avenue project in FY 2025/26 will include using post-mounted signs ($10,000) indicating that the corridor is a shared bicycle facility.

Location

2025/26	Campus Avenue (Lincoln Way to Oakland Street), Sunset Drive (Ash Avenue to Beach Avenue), and Clark Avenue (Ninth Street to 13th Street)
2026/27	North Loop Drive, 9th Street (Roosevelt Avenue to Grand Avenue), Gaskill Drive (250 ft south of Friley Rd. to Country Club Blvd.), and Crawford Avenue (end to E 9th Street)
2027/28	6th Street (Clark Avenue to Duff Avenue)
2028/29	7th Street (Grand Avenue to Burnett Avenue)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	1,645,000		720,000	500,000	200,000	225,000
Construction	8,105,000		2,880,000	2,850,000	1,100,000	1,275,000
Total	**9,750,000**		**3,600,000**	**3,350,000**	**1,300,000**	**1,500,000**
Financing:						
G.O. Bonds	9,750,000		3,600,000	3,350,000	1,300,000	1,500,000
Total	**9,750,000**		**3,600,000**	**3,350,000**	**1,300,000**	**1,500,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Street Improvements	Public Works	

Seal Coat Street Pavement Improvements

Project Status: No Change

Description/Justification
This is the annual program for removal of built-up seal coat from streets with asphalt surface. This program restores surface texture, corrects structural deficiencies, removes built-up seal coat, and prevents deterioration of various streets. This resurfacing process results in better riding surfaces, incr eased safety with improved surface texture, and increased life expectancy of streets.

Built-up seal coat on streets causes excess crown which results in vehicles dragging at driveway entrances. Complete removal of this built-up seal coat allows for repairs to curbs and gutters and placement of four inches of more permanent asphalt surface.

Comments
The areas to be resurfaced are chosen each spring based on the current street condition inventory and funding availability. Funding for this program may vary from year to year to maintain a consistent overall bonding level issue each year over five years. Cost estimates include funding for concrete curb and gutter repairs that need to be made prior to street asphalt being placed, as well as pedestrian improvements to meet the most recent state and federal accessibility requirements.

Street maintenance operation costs for patching will be reduced for the streets involved in this program.

Respondents to the 2023 Residential Satisfaction Survey indicated that reconstructing existing streets is their top capital improvement priority with 89% indicating this is somewhat or very important. Most local streets with poorer than average pavement conditions were constructed in seal coat and are now in need of reconstruction.

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	647,500		200,000	135,000	112,500	200,000
Construction	3,002,500		800,000	765,000	637,500	800,000
Total	**3,650,000**		**1,000,000**	**900,000**	**750,000**	**1,000,000**
Financing:						
G.O. Bonds	3,650,000		1,000,000	900,000	750,000	1,000,000
Total	**3,650,000**		**1,000,000**	**900,000**	**750,000**	**1,000,000**

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Alley Pavement Improvements Program

Project Status: No Change

Description/Justification
This program is to reconstruct existing paved alleys where the structural integrity of the existing pavement has diminished beyond repair. These alleys are primarily in the vicinity south of Downtown. However, projects that are part of this CIP program may be community-wide if the adjacent properties (or the City) have previously paid for installation of the existing pavement.

Comments
This program was introduced in 2021 with FY 2022/23 being the first construction year.

Location

2025/26	Alley south of Lincoln Way (S. Sherman Avenue to S. Kellogg Avenue)
2026/27	Alley south of Lincoln Way (Washington Avenue to S. Walnut Avenue)
2027/28	Alley south of Lincoln Way (S. Duff Avenue to S. Sherman Avenue)
2028/29	Alley south of Lincoln Way (S. Kellogg Avenue to Washington Avenue)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	320,000		80,000	80,000	80,000	80,000
Construction	1,280,000		320,000	320,000	320,000	320,000
Total	**1,600,000**		**400,000**	**400,000**	**400,000**	**400,000**
Financing:						
G.O. Bonds	1,600,000		400,000	400,000	400,000	400,000
Total	**1,600,000**		**400,000**	**400,000**	**400,000**	**400,000**

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Downtown Street Pavement Improvements

Project Status: No Change

Description/Justification
This annual program is for the rehabilitation or reconstruction of streets and alleys within the downtown area. This area stretches from Lincoln Way to 7th Street and from Grand Avenue to Duff Avenue. These projects involve rehabilitation or reconstruction of street pavements, storm and sanitary sewers, and streetscapes. The program addresses the recommendations of the Downtown Improvements Study for the side streets in the downtown area.

Comments
Improvements to the streets and alleys in the downtown area will enhance the downtown business district.

Location
2025/26 East/west alley north of Lincoln Way (Sherman Avenue to Kellogg Avenue)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		35,000		35,000			
Construction		215,000		215,000			
	Total	**250,000**		**250,000**			
Financing:							
G.O. Bonds		250,000		250,000			
	Total	**250,000**		**250,000**			

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Right-Of-Way Restoration **Project Status:** Cost Change

Description/Justification
In recent years, staff has continued to observe and analyze restoration of the right-of-way areas associated with CIP projects. Some areas have been restored with sod, while other areas have been restored using seed or dormant seed. Restoration appears to depend on the weather at the time of installation. In areas where vegetation is not anticipated to be successful, other forms of restoration may be used, such as pervious pavement or standard concrete.

Instead of including restoration as a subcontract in each CIP individual project as was done in the past, this program facilitates more successful restoration through a separate contract with a contractor that specializes in vegetation establishment.

Comments
Conditions for each restoration area are considered independently to select the appropriate and sustainable alternative. Restoration examples include sod, native turf, and pervious and standard colored/stained concrete.

Carryover funds are adequate to fund the programmed work in FY 2024/25.

Location
Various locations (coordinated with Public Works streets and utility projects)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		160,000		40,000	40,000	40,000	40,000
Construction		1,140,000		285,000	285,000	285,000	285,000
	Total	**1,300,000**		**325,000**	**325,000**	**325,000**	**325,000**
Financing:							
Road Use Tax		500,000		125,000	125,000	125,000	125,000
Water Utility Fund		300,000		75,000	75,000	75,000	75,000
Sewer Utility Fund		300,000		75,000	75,000	75,000	75,000
Stormwater Utility Fund		200,000		50,000	50,000	50,000	50,000
	Total	**1,300,000**		**325,000**	**325,000**	**325,000**	**325,000**

Program - Activity: Transportation - Street Improvements
Department: Public Works
Account Number: Various

Arterial Street Pavement Improvements

Project Status: No Change

Description/Justification
This annual program utilizes current repair and reconstruction techniques to improve the City's arterial streets with asphalt or concrete. These pavement improvements are needed to restore structural integrity, serviceability and rideability. Targeted streets are reaching a point of accelerated deterioration, but by improving the streets prior to excessive problems the service life can be extended before complete reconstruction becomes necessary.

Comments
Improving these streets proactively reduces maintenance costs, thereby allowing for additional and earlier maintenance of other streets.

Location

2026/27	East Lincoln Way (Duff Avenue to S Skunk River)
2027/28	East 13th Street (McCormick Avenue to Dayton Avenue) and Duff Avenue (6th Street to 13th Street)
2028/29	Duff Avenue (20th Street to Northwood Drive)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	1,300,000			500,000	400,000	400,000
Construction	6,600,000			2,500,000	2,000,000	2,100,000
Total	**7,900,000**			**3,000,000**	**2,400,000**	**2,500,000**
Financing:						
G.O. Bonds	2,020,000			600,000	720,000	700,000
MPO/STP Funds	5,880,000			2,400,000	1,680,000	1,800,000
Total	**7,900,000**			**3,000,000**	**2,400,000**	**2,500,000**

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

CyRide Route Pavement Improvements

Project Status: No Change

Description/Justification
This is the annual program for pavement improvements to streets that are or previously were used as bus routes.

Some of these streets were not designed or built for continuous bus loading; but when the streets were designated as bus routes, accelerated deterioration of the street surfaces occurred. These pavement improvements will restore street sections that carry these heavier vehicles and/or higher traffic volumes.

Comments
Improving these streets now will reduce ongoing maintenance needs and improve rideability for our residents and visitors. This in turn will allow for additional and earlier maintenance of other streets, which will prolong their useful life.

Location

2026/27	Lincoln Way (Beach Avenue to Hayward Avenue)
2027/28	Bloomington Road (Hoover Avenue to Eisenhower Avenue)
2028/29	16th Street (Grand Avenue to Ridgewood Avenue)

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	900,000			300,000	200,000	400,000
Construction	5,100,000			1,700,000	1,400,000	2,000,000
Total	**6,000,000**			**2,000,000**	**1,600,000**	**2,400,000**
Financing:						
G.O. Bonds	6,000,000			2,000,000	1,600,000	2,400,000
Total	**6,000,000**			**2,000,000**	**1,600,000**	**2,400,000**

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Campustown Public Improvements

Project Status: No Change

Description/Justification
This project includes public infrastructure improvements along Chamberlain Street (Lynn Avenue to Hayward Avenue), continuing street and utility improvements completed in the area. The project will involve sanitary sewer, storm sewer, and roadway pavement improvements. The project design will incorporate public outreach.

Comments
The pavement conditions along Chamberlain Street demonstrate the need to complete reconstruction/rehabilitation to restore structural integrity of the roadway. During design of the project, further analysis of drainage conditions in the area will be completed to determine extents of storm sewer upgrades needed in the area.

The 100-block of Welch Avenue was reconstructed with utility system replacements, addition of bike lanes and water quality improvement tree trenches in 2020. The 200-block of Welch Avenue is currently under design for pavement reconstruction and utility system replacements with construction in 2024/25 to coordinate with special events planned in the area.

Location
2026/27 Chamberlain Street (Lynn Avenue to Hayward Avenue)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		350,000			350,000		
Construction		1,400,000			1,400,000		
	Total	**1,750,000**			**1,750,000**		
Financing:							
G.O. Bonds		1,750,000			1,750,000		
	Total	**1,750,000**			**1,750,000**		

Program - Activity: Transportation - Street Improvements

Department: Public Works

Account Number:

Shared Use Path System

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Shared Use Path System Expansion	2,650,000	375,000	825,000	450,000	500,000	500,000	88
Multi-Modal Roadway Improvements	1,205,000	125,000	320,000	360,000	100,000	300,000	89
Shared Use Path Maintenance	2,025,000	300,000	375,000	450,000	450,000	450,000	90
Total Project Expenditures	**5,880,000**	**800,000**	**1,520,000**	**1,260,000**	**1,050,000**	**1,250,000**	
Funding Sources:							
City:							
Local Option Sales Tax	4,285,000	675,000	810,000	900,000	950,000	950,000	
Road Use Tax	1,205,000	125,000	320,000	360,000	100,000	300,000	
Total City Funding	5,490,000	800,000	1,130,000	1,260,000	1,050,000	1,250,000	
Other:							
MPO/STP Funds	390,000	-	390,000	-	-	-	
Total Funding Sources	**5,880,000**	**800,000**	**1,520,000**	**1,260,000**	**1,050,000**	**1,250,000**	

Shared Use Path Summary

Project by Activity	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Street Improvements:							
South 16th Street Roadway Widening	378,200	378,200	-	-	-	-	76
Concrete Pavement Improvements	10,000	-	10,000	-	-	-	85
Campustown Public Improvements	325,000	-	-	325,000	-	-	75
Total Street Improvement Projects	713,200	378,200	10,000	325,000	-	-	
Shared Use Path System:							
Shared Use Path System Expansion	2,650,000	375,000	825,000	450,000	500,000	500,000	88
Multi-Modal Roadway Improvements	1,205,000	125,000	320,000	360,000	100,000	300,000	89
Shared Use Path Maintenance	2,025,000	300,000	375,000	450,000	450,000	450,000	90
Total Shared Use Path Projects	5,880,000	800,000	1,520,000	1,260,000	1,050,000	1,250,000	
Traffic Improvements:							
Traffic System Capacity Improvements	150,000	-	150,000	-	-	-	93
Traffic Signal Program	125,000	25,000	25,000	25,000	25,000	25,000	94
Total Traffic Improvement Projects	275,000	25,000	175,000	25,000	25,000	25,000	
Total Shared Use Path Projects	**6,868,200**	**1,203,200**	**1,705,000**	**1,610,000**	**1,075,000**	**1,275,000**	
Average Expenditure/Fiscal Year	**1,373,640**						

Shared Use Path System Expansion

Project Status: Delayed Cost Change

Description/Justification
This program provides for construction of shared use paths on street rights-of-way, adjacent to streets, and through greenbelts. The City's Long-Range Transportation Plan (LRTP) identifies those paths that separate bicycle traffic from higher-speed automobile traffic.

Comments
The projects included in this program are subject to acquiring voluntary easements from property owners. Construction of certain segments are contingent upon acquisition of land. Ongoing shared use path maintenance costs will increase as these new shared use paths are added across the City.

Location

2024/25	Skunk River (South Duff trail connection along Billy Sunday Road $350,000); Moore Memorial Park to Ioway Creek Trail Design ($25,000)
2025/26	South Dayton Avenue (East Lincoln Way to Southeast 16th Street $725,000); Moore Memorial Park to Ioway Creek Trail Construction ($100,000)
2026/27	Mortensen Road path (Dickinson Road to South Dakota Ave $190,000); South Duff path (S. 5th Street to S. 3rd Street $260,000)
2027/28	Location to be determined in Bicycle & Pedestrian Master Plan finalization ($500,000)
2028/29	24th Street path (Grand Avenue to Duff Avenue $500,000)

The cost estimate for the 24th Street Path has increased from $400,000 to $500,000. It has been delayed to be coordinated with the FY 2028/29 Traffic System Capacity Improvements project at 24th Street and Grand Ave.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		610,000	115,000	145,000	150,000	100,000	100,000
Construction		2,040,000	260,000	680,000	300,000	400,000	400,000
	Total	**2,650,000**	**375,000**	**825,000**	**450,000**	**500,000**	**500,000**
Financing:							
Local Option Sales Tax		2,260,000	375,000	435,000	450,000	500,000	500,000
MPO/STP Funds		390,000		390,000			
	Total	**2,650,000**	**375,000**	**825,000**	**450,000**	**500,000**	**500,000**

Program - Activity: Transportation - Shared Use Paths

Department: Public Works

Account Number: 030-8802-439
030-8877-439

Multi-Modal Roadway Improvements

Project Status: No Change

Description/Justification
Multi-modal transportation refers to the variety of modes used by Ames residents to travel the transport system. The modes specifically addressed in this program include bicycling and automobiles.

This program is aimed at improving the roadway to create a safer interaction between these two modes using alternatives such as improved crossing visibility at intersections, bike detection, and on-street facilities (e.g. bike lanes and sharrows). Bike lanes consist of a portion of the roadway designated by striping, signing, and pavement markings for the preferential or exclusive use of bicyclists. Sharrows, also known as shared lane markings, are markings used in lanes shared by bicycles and motor vehicles when a travel lane is too narrow to provide a standard width bike lane. Bike detection improvements include retrofitting signalized intersections to radar detection to facilitate the movement of bicycles. These improvements retrofit existing streets to provide a useful and appropriate route of travel for these popular modes used by Ames residents.

Locations

2024/25	Enhanced intersection crossings: Various locations requiring bicycle and pedestrian detection at arterial street crossings
2025/26	University Boulevard and Lincoln Way (protected intersection improvements)
2026/27	Wilder Boulevard (mini-roundabout corridor improvement)
2027/28	Bloomington Road and Fletcher Boulevard (enhanced pedestrian crossing)
2028/29	Location to be determined in Bicycle & Pedestrian Master Plan finalization

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		175,000		45,000	60,000	20,000	50,000
Construction		1,030,000	125,000	275,000	300,000	80,000	250,000
	Total	**1,205,000**	**125,000**	**320,000**	**360,000**	**100,000**	**300,000**
Financing:							
Road Use Tax		1,205,000	125,000	320,000	360,000	100,000	300,000
	Total	**1,205,000**	**125,000**	**320,000**	**360,000**	**100,000**	**300,000**

Program - Activity: Transportation - Shared Use Paths
Department: Public Works
Account Number: 060-8821-439

Shared Use Path Maintenance

Project Status: No Change

Description/Justification
The City's shared use path recreational and transportation system has continued to expand throughout the community. These shared use paths were typically constructed with five inches of asphalt or concrete pavement. Structural failure, drainage problems, and vegetation infringement are several causes for the need to improve these pavements. This annual program provides for those improvements.

Comments
The pavement management system for shared use paths is used to guide maintenance activities to segments that are in need of repair. This inventory aids in prioritizing those segments throughout the community.

Spot repairs that are identified will be prioritized by severity of the needed repair and then addressed through the annual operations budget. Improvements to the shared use path pavements will enhance the safety and usability of the transportation/recreational system and improve the aesthetics of the right-of-way. Newer rehabilitation techniques such as mastic joint repair and micro-surface treatments are being utilized as a part of this program.

Beginning in FY 2023/24, funding incrementally increases to $450,000 annually. This will provide for a system-wide maintenance schedule of joint sealing and surface slurry seal every five years, along with scheduled overlay and reconstruction for every path.

Locations
Various locations throughout Ames will be identified using pavement management data and user feedback.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		292,000	43,000	54,000	65,000	65,000	65,000
Construction		1,733,000	257,000	321,000	385,000	385,000	385,000
	Total	**2,025,000**	**300,000**	**375,000**	**450,000**	**450,000**	**450,000**
Financing:							
Local Option Sales Tax		2,025,000	300,000	375,000	450,000	450,000	450,000
	Total	**2,025,000**	**300,000**	**375,000**	**450,000**	**450,000**	**450,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Shared Use Paths	Public Works	030-8811-439

Transportation - Traffic Improvements

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Intelligent Transportation System Program	6,710,000	2,556,000	2,795,000	1,359,000	-	-	92
Traffic System Capacity Improvements	6,190,000	750,000	3,070,000	120,000	750,000	1,500,000	93
Traffic Signal Program	2,353,000	373,000	480,000	500,000	500,000	500,000	94
Accessibility Enhancements Program	1,000,000	200,000	200,000	200,000	200,000	200,000	95
Metropolitan Transportation Plan Update	650,000	150,000	-	-	-	500,000	96
Regional Transportation Count Program	375,000	75,000	75,000	75,000	75,000	75,000	97
Total Project Expenditures	**17,278,000**	**4,104,000**	**6,620,000**	**2,254,000**	**1,525,000**	**2,775,000**	
Funding Sources:							
Debt:							
G.O. Bonds	3,542,396	476,100	1,887,540	178,756	-	1,000,000	
City:							
Road Use Tax	7,328,204	1,886,900	1,936,460	1,004,844	1,225,000	1,275,000	
Local Option Sales Tax	500,000	100,000	100,000	100,000	100,000	100,000	
Total City Funding	7,828,204	1,986,900	2,036,460	1,104,844	1,325,000	1,375,000	
Other:							
MPO Planning Funds	520,000	120,000	-	-	-	400,000	
Federal/State Grants	5,387,400	1,521,000	2,696,000	970,400	200,000	-	
Total Other Funding	5,907,400	1,641,000	2,696,000	970,400	200,000	400,000	
Total Funding Sources	**17,278,000**	**4,104,000**	**6,620,000**	**2,254,000**	**1,525,000**	**2,775,000**	

Intelligent Transportation System Program

Project Status: No Change

Description/Justification

The 2040 Ames Area Long Range Transportation Plan (LRTP) took effect in late 2015. That plan identified a wide range of transportation improvements, including projects that utilize technology referred to as Intelligent Transportation Systems (ITS). Traffic adaptive systems are a form of ITS infrastructure that conduct real-time optimization of traffic and pedestrian flow at signalized intersections. Traffic adaptive systems provide a significant improvement in efficiency and will provide reliable travel times during all times of the day. The 2045 LRTP shows the completion of the program with the sixth and final phase. Traffic signal/flow improvements rank as one of the highest priority areas (82%) from the 2023 Ames Resident Satisfaction Survey.

Location

2024/25 Phase 4: Lincoln Way (Campustown & West Ames), South Dakota Avenue, Mortensen Road ($2,556,000)

2025/26 Phase 5: Bloomington Road, 24th Street, Stange Road, 13th Street, and North Dakota Avenue (NW Ames) ($2,795,000)

2026/27 Phase 6: South 16th Street; South Grand Avenue; South Dayton Avenue (network extensions/looping) ($1,359,000)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		720,000	274,000	300,000	146,000		
Construction		5,990,000	2,282,000	2,495,000	1,213,000		
	Total	**6,710,000**	**2,556,000**	**2,795,000**	**1,359,000**		
Financing:							
G.O. Bonds		1,022,396	476,100	367,540	178,756		
Road Use Tax		1,200,204	558,900	431,460	209,844		
ICAAP Grant Funds		4,487,400	1,521,000	1,996,000	970,400		
	Total	**6,710,000**	**2,556,000**	**2,795,000**	**1,359,000**		

Program - Activity:	**Department:**	**Account Number:**
Transportation - Traffic Improvements	Public Works	060-7516-439 320-7516-439 385-7516-439

Traffic System Capacity Improvements

Project Status: No Change

Description/Justification
This program will address several issues identified in the 2045 Long Range Transportation Plan (LRTP). The 2045 LRTP identified several critical intersections that were at or nearing capacity such that improvements were needed. This program will provide for the planning, design, and construction of those improvements.

Comments
All the locations except for the FY 2026/27 project were identified in the Grand Avenue Intersections Improvement Study that was accepted by City Council in October 2022.

The FY 2028/29 project includes pavement reconstruction along 24th Street on both sides of Grand Avenue. This pavement reconstruction work was originally programmed in the Arterial Street Pavement Improvements in the 2022-2027 CIP but was eliminated in the 2023-2028 CIP due to budget constraints.

Location

2024/25	13th Street and Grand Avenue intersection improvement (conceptual design and Right-of-Way)
2025/26	13th Street and Grand Avenue intersection improvement (construction) (shared use path portion $150,000)
2026/27	Lincoln Way corridor study (Grand Avenue to Duff Avenue)
2027/28	20th Street and Grand Avenue Intersection Improvements
2028/29	24th Street and Grand Avenue Intersection Improvements

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		988,000	250,000	233,000	120,000	135,000	250,000
Land/ROW		500,000	500,000				
Construction		6,190,000		2,837,000		615,000	1,250,000
	Total	**7,678,000**	**750,000**	**3,070,000**	**120,000**	**750,000**	**1,500,000**
Financing:							
G.O. Bonds		2,520,000		1,520,000			1,000,000
Road Use Tax		2,770,000	750,000	850,000	120,000	550,000	500,000
State Grants		900,000		700,000		200,000	
	Total	**7,678,000**	**750,000**	**3,070,000**	**120,000**	**750,000**	**1,500,000**

Program - Activity: Transportation - Traffic Improvements
Department: Public Works
Account Number: 060-7525-439

Traffic Signal Program

Project Status: No Change

Description/Justification
The Traffic Signal Program is the annual program that provides for replacing older traffic signals and for constructing new traffic signals in the City. This will result in improved visibility, reliability, and appearance of signals.

Although recent advances in technology have elongated the normal, useful life for traffic signal installations well past the previously expected 25 years, some of the older-generation traffic signals still in use exceed their functional age. Components at those installations (including conduits, wiring, signal heads, and poles) need to be completely replaced. This program also provides funding for those maintenance needs as well as the necessary upgrading of the traffic signal system as technology continues to change. In recent years, traffic signal replacements have included radar detection systems instead of in-pavement loop detection systems that frequently failed. Another advantage of the radar detection system is that it detects bicycles as well as motor vehicles.

Comments
Increasing material costs (specifically for copper wiring and steel for the poles and mast arms) and additional federal design requirements (such as additional ADA facilities) have resulted in an increased cost for each standard traffic signal. Staff tracks cost trends and will adjust projected funding for this program each annual CIP cycle. When a full replacement is not necessary, staff will identify equipment within existing signal locations that can be replaced to achieve similar operational improvements to a major reconstruction.

Locations
2024/25 University Boulevard and South 16th Street signal replacement
2025/26 South Duff Avenue/South Third Street
2026/27 University Boulevard and Lincoln Way signal replacement
2027/28 University Boulevard and Mortensen Road signal replacement
2028/29 Lincoln Way and Marshall Avenue signal replacement

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		225,000	23,000	50,000	52,000	50,000	50,000
Construction		2,128,000	350,000	430,000	448,000	450,000	450,000
	Total	**2,353,000**	**373,000**	**480,000**	**500,000**	**500,000**	**500,000**
Financing:							
Road Use Tax		2,353,000	373,000	480,000	500,000	500,000	500,000
	Total	**2,353,000**	**373,000**	**480,000**	**500,000**	**500,000**	**500,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Traffic Improvements	Public Works	060-7555-439

Accessibility Enhancement Program

Project Status: No Change

Description/Justification
This annual program combines sidewalk and pedestrian ramp improvements with additional accessibility upgrades at traffic signals and other publicly owned parking facilities. The program provides for removing and replacing sidewalk intersection crosswalk panels and handicap ramps at locations that fail to meet the Americans with Disabilities Act (ADA) requirement to have truncated dome warning panels installed. It also includes retrofitting existing signalized traffic control devices with audible and vibrotactile pushbuttons, as well as upgrading parking stalls to current accessibility standards in any on-street location or parking lot owned by the City of Ames. Wherever possible, this program is combined with and used in conjunction with other roadway, traffic signal replacement, or shared use path improvement projects for pedestrian ramp reconstruction.

This program provides safer pedestrian facilities and limits the City's liability for injury to residents using public sidewalks in a deteriorated condition. The program also improves ADA accessibility at municipal facilities.

Comments
City Staff surveyed stakeholders to help prioritize the retrofitting of existing traffic signals that currently do not have audible and vibrotactile operation. These locations will be prioritized along with other ADA improvement needs that are identified throughout the year.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		150,000	30,000	30,000	30,000	30,000	30,000
Construction		850,000	170,000	170,000	170,000	170,000	170,000
	Total	**1,000,000**	**200,000**	**200,000**	**200,000**	**200,000**	**200,000**
Financing:							
Road Use Tax		500,000	100,000	100,000	100,000	100,000	100,000
Local Option Sales Tax		500,000	100,000	100,000	100,000	100,000	100,000
	Total	**1,000,000**	**200,000**	**200,000**	**200,000**	**200,000**	**200,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Traffic Improvements	Public Works	030-7510-439 060-7510-439

Metropolitan Transportation Plan Update

Project Status: No Change

Description/Justification

The FY 2024/25 project is for completion of a Transportation System Management and Operations (TSMO) plan. This plan is defined as a set of integrated strategies to optimize the performance of operations on existing infrastructure through implementation of multi-modal, cross jurisdictional systems, services, and projects. This is a new plan for the region that will provide the ability to apply for safety funding on future transportation projects.

The FY 2028/29 project will update the Metropolitan Transportation Plan (MTP) for the Ames region. This was previously referred to as the Long Range Transportation Plan. Typically, an update to the MTP takes approximately 24 months to complete. The federal government requires that the MTP be updated every five years. Therefore, this update must be completed and approved by late 2030.

Comments

FY 2023/24	$500,000	Metro Plan Update
FY 2024/25	$150,000	Metro Plan Update
	$650,000	
FY 2028/29	$500,000	Metro Plan Update
FY 2029/30	$150,000	Metro Plan Update
	$650,000	

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	650,000	150,000				500,000
Total	**650,000**	**150,000**				**500,000**
Financing:						
Road Use Tax Fund	130,000	30,000				100,000
MPO Planning Funds	520,000	120,000				400,000
Total	**650,000**	**150,000**				**500,000**

Program - Activity:	Department:	Account Number:
Transportation - Traffic Improvements	Public Works	060-7501-439 329-7501-439

Regional Transportation Count Program

Project Status: No Change

Description/Justification
There is an ongoing need for transportation-related data in the Ames regional area. This program is for the collection and management of travel demand data from all transportation modes including walking, biking, and various forms of motorized travel. Data from this program will be used to track critical transportation system performance measures which are used to analyze and forecast transportation system needs and priorities. The funding included each year is an annual base for data collections services.

Comments
The data collectors continuously record traffic volume, speed, and classification on arterial and collector streets throughout the network. This data supports long-range transportation planning and modeling efforts, as well as pavement management, safety analysis, and other system performance measures as needed.

Each year, traffic improvements rank as one of the highest priority areas from the Ames Resident Satisfaction Survey.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		375,000	75,000	75,000	75,000	75,000	75,000
	Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**
Financing:							
Road Use Tax		375,000	75,000	75,000	75,000	75,000	75,000
	Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Traffic Improvements	Public Works	060-7515-439

Street Rehabilitation

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Pavement Restoration	1,850,000	300,000	350,000	400,000	400,000	400,000	99
Neighborhood Curb Replacement Program	900,000	300,000	150,000	150,000	150,000	150,000	100
Streetscape Enhancements	150,000	30,000	30,000	30,000	30,000	30,000	101
Lincoln Way Bridge Replacement	250,000	-	-	-	-	250,000	102
Total Project Expenditures	**3,150,000**	**630,000**	**530,000**	**580,000**	**580,000**	**830,000**	
Funding Sources:							
City:							
Road Use Tax	3,150,000	630,000	530,000	580,000	580,000	830,000	
Total Funding Sources	**3,150,000**	**630,000**	**530,000**	**580,000**	**580,000**	**830,000**	

Pavement Restoration

Project Status: Cost Change

Description/Justification
This annual program is for preventive and proactive surface maintenance that does not involve structural changes to the street. This allows for a large variety of possible maintenance activities, including slurry seal, full-depth concrete paving, milling and patching of asphalt, joint sealing, diamond grinding, partial depth patching, and new maintenance techniques to preserve and enhance the City's streets.

Comments
Funding for this program will increase incrementally annually up to $400,000 in FY 2026/27. The cost increase is due to rising material and contracting costs for pavement restoration priorities in this program to help extend the longevity of the pavement system and supplement other pavement restoration activities. Priorities for this program are identified using information from the pavement management system and input from citizens and maintenance crews.

Location
Locations will be coordinated with street construction to gain the best possible life cycle of streets.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		1,850,000	300,000	350,000	400,000	400,000	400,000
	Total	**1,850,000**	**300,000**	**350,000**	**400,000**	**400,000**	**400,000**
Financing:							
Road Use Tax		1,850,000	300,000	350,000	400,000	400,000	400,000
	Total	**1,850,000**	**300,000**	**350,000**	**400,000**	**400,000**	**400,000**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Street Rehabilitation	Public Works	060-7723-439

Neighborhood Curb Replacement Program

Project Status: No Change

Description/Justification
This is the annual program for replacement of deteriorated curb and gutter in selected neighborhood areas. Curb and gutter replacement enhances neighborhood and right-of-way aesthetics and provides for better storm water drainage.

Areas to receive curb and gutter replacement are selected by staff using input of neighborhoods, the condition of the curb, and the extent of needed repairs.

Comments
The Neighborhood Curb Replacement Program decision criteria approved by the City Council includes the extent of curb deterioration, the number of residential structures on the block, and the longitudinal grade. Locations are coordinated with other pavement improvement locations in the CIP.

Location

2024/25	East 16th Street (Duff Avenue to Maxwell Avenue)
2025/26	Ferndale Avenue (20th Street to 24th Street)
2026/27	Washington Avenue (S. 2nd Street to South 3rd Street)
2027/28	Washington Avenue (Lincoln Way to South 2nd Street)
2028/29	To Be Decided

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering	110,000	30,000	20,000	20,000	20,000	20,000
Construction	790,000	270,000	130,000	130,000	130,000	130,000
Total	**900,000**	**300,000**	**150,000**	**150,000**	**150,000**	**150,000**
Financing:						
Road Use Tax	900,000	300,000	150,000	150,000	150,000	150,000
Total	**900,000**	**300,000**	**150,000**	**150,000**	**150,000**	**150,000**

Program - Activity:	Department:	Account Number:
Transportation - Street Rehabilitation	Public Works	060-7770-439

Streetscape Enhancements

Project Status: No Change

Description/Justification
This project provides for the enhancement of the rights-of-way in the City of Ames. The funding may be used for several elements including retaining walls, entryway enhancements and median enhancements.

Comments
In addition to retaining wall repairs, the entryway enhancement portion could be used to enhance or repair other right-of-way elements such as decorative signs, benches, and monuments.

Location
Various

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Streetscape Enhancements		150,000	30,000	30,000	30,000	30,000	30,000
	Total	**150,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**
Financing:							
Road Use Tax		150,000	30,000	30,000	30,000	30,000	30,000
	Total	**150,000**	**30,000**	**30,000**	**30,000**	**30,000**	**30,000**

Program - Activity: Transportation - Street Rehabilitation
Department: Public Works
Account Number: 060-7731-439

Lincoln Way Bridge Replacement

Project Status: New

Description/Justification
This program provides funding for necessary repairs recommended by the Iowa Department of Transportation (IDOT) biennial bridge inspections report. The IDOT requires inspections for bridges within the City of Ames every two years.

Comments
Biennial bridge inspections performed in 2022 indicated that the Lincoln Way Bridge over Ioway Creek is beginning to experience deterioration to the extent that planning for large-scale repairs or replacement is necessary in the near future. The bridge has a sufficiency rating of 80 out of 100 based upon the inspection data from 2022. The bridge substructure is rated as Fair, while the bridge deck is rated as Minor Deterioration. A feasibility study was conducted in late 2022 which provided a high-level view of repair and replacement options. This study concluded that repair costs would likely be between 35% to 45% of the cost of a replacement bridge. The repairs would likely only be sufficient for an additional 15 to 20 years before additional work is required, where replacement costs would extend the bridge life out to 75 years or beyond. Funding is included in FY 2028/29 to begin design and planning for the replacement of the existing bridge with anticipation that the replacement would be planned for FY 2029/30. The bridge will continue to be inspected biennially unless conditions warrant an accelerated inspection schedule.

2028/29 Lincoln Way Bridge over Ioway Creek – Design Phase
2029/30 Lincoln Way Bridge over Ioway Creek – Construction Phase

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		250,000					250,000
	Total	**250,000**					**250,000**
Financing:							
Road Use Tax Fund		250,000					250,000
	Total	**250,000**					**250,000**

Program - Activity: Transportation - Street Rehabilitation
Department: Public Works
Account Number:

Transit System

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Vehicle Replacement	15,108,901	583,480	4,651,446	3,570,803	3,676,727	2,626,445	104
CyRide Facility Improvements	3,370,000	80,000	830,000	830,000	830,000	800,000	105
CyRide Technology Improvements	320,388	120,388	50,000	50,000	50,000	50,000	106
CyRide Shop/Office Equipment	799,000	291,400	254,400	124,400	64,400	64,400	107
Bus Stop Improvements	505,000	95,000	100,000	100,000	105,000	105,000	108
Total Project Expenditures	**20,103,289**	**1,170,268**	**5,885,846**	**4,675,203**	**4,726,127**	**3,645,845**	
Funding Sources:							
City:							
Transit Capital Reserve	5,898,030	596,000	1,691,096	1,356,230	1,334,015	920,689	
Other:							
Federal/State Grants	14,205,259	574,268	4,194,750	3,318,973	3,392,112	2,725,156	
Total Funding Sources	**20,103,289**	**1,170,268**	**5,885,846**	**4,675,203**	**4,726,127**	**3,645,845**	

CyRide Vehicle Replacement/Rehabilitation

Project Status: Cost Change Revenue Change Advanced

Description/Justification

CyRide will replace buses in the fleet as grant funding opportunities arise to ensure vehicles are in a state of good repair, as required by the Federal Transit Administration. CyRide anticipates future state funding for new buses through the state's capital funding allocation process. Staff will continue to look for other grant opportunities to continue moving toward a more sustainable fleet. CyRide's Zero-Emission roadmap, developed by the Center for Transportation and the Environment (CTE) and approved by the Transit Board, supports up to 17 battery electric buses in the current facility and on the existing routes. CyRide has five vehicles used for administrative support in the operations division for drivers to utilize when switching shifts.

In total, these purchases are programmed as follows:

2024/25	Replace one 40-foot bus ($543,480); replace one administrative vehicle
2025/26	Replace six 40-foot buses ($3,550,446); replace one 40-foot bus with a battery electric bus ($1,061,000); replace one administrative vehicle
2026/27	Replace four 40-foot buses ($2,437,973); replace one 40-foot bus with a battery electric bus ($1,092,830); replace one administrative vehicle
2027/28	Replace four 40-foot buses ($2,511,112); replace one 40-foot bus with a battery electric bus ($1,125,615); replace one administrative vehicle
2028/29	Replace four 40-foot bus ($2,586,445); replace one administrative vehicle

Comments

New buses will be funded with 80-85% federal funding, including the State of Iowa's Iowa Clean Air Attainment Program (ICAAP) funds, which are a distribution of federal dollars.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Large Buses - 40' New		14,908,901	543,480	4,611,446	3,530,803	3,636,727	2,586,445
Large Buses - 60' New							
Administrative Vehicles		200,000	40,000	40,000	40,000	40,000	40,000
Dial-A-Ride Bus/Van							
	Total	**15,108,901**	**583,480**	**4,651,446**	**3,570,803**	**3,676,727**	**2,626,445**
Financing:							
Transit Fund		3,639,952	121,522	1,112,696	907,830	940,615	557,289
PTMS Funds		10,793,949	461,958	3,313,750	2,437,973	2,511,112	2,069,156
STP Funds		675,000		225,000	225,000	225,000	
	Total	**15,108,901**	**583,480**	**4,651,446**	**3,570,803**	**3,676,727**	**2,626,445**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Transit	CyRide	552-1159-439
		552-1169-439

CyRide Facility Improvements

Project Status: Scope Change Cost Change

Description/Justification
The CyRide facility is 40 years old and major components of the building are nearing the end of their useful life. Additionally, the facility houses more vehicles than it was initially designed for, creating additional wear and tear and a need to explore expansion options. This plan has been developed to keep the current facility in a state of good repair, as required by the Federal Transit Administration.

2024/25	Concrete replacement; architectural and engineering (A & E) services
2025/26	Building fire suppression upgrades for battery electric buses ($750,000); concrete replacement, A & E services
2026/27	Fueling system upgrade ($750,000); concrete replacement; A & E services
2027/28	Construct an addition onto existing facility ($750,000); concrete replacement; A & E services
2028/29	Construct an addition onto existing facility ($750,000); A & E services

Comments
With the expansion of battery electric buses to the fleet, a building fire suppression system will be necessary to mitigate battery fire risks within the facility. A fueling system upgrade will replace the existing fueling system with one that is faster, has less waste, and is more environmentally sustainable. A & E services would provide technical expertise during the various construction projects and assist with preparing bid documents. Concrete replacement is budgeted each fiscal year to replace concrete around the facility as it fails. The CIP assumes a CyRide facility expansion as funding sources are identified. To date, CyRide has reserved $3,715,166 in local match dollars for a grant to begin construction.

Location
CyRide, 601 North University Boulevard.

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Architectural/Engineering	250,000	50,000	50,000	50,000	50,000	50,000
Concrete	120,000	30,000	30,000	30,000	30,000	
Construction	3,000,000		750,000	750,000	750,000	750,000
Total	**3,370,000**	**80,000**	**830,000**	**830,000**	**830,000**	**800,000**
Financing:						
Transit Fund	970,000	80,000	230,000	230,000	230,000	200,000
State of Iowa - PTIG	2,400,000		600,000	600,000	600,000	600,000
Total	**3,370,000**	**80,000**	**830,000**	**830,000**	**830,000**	**800,000**

Program - Activity: Transportation - Transit

Department: CyRide

Account Number: 552-1159-439, 552-1169-439

CyRide Technology Improvements

Project Status: Cost Change Revenue Change

Description/Justification
Advancements in technology have grown significantly over the past several years. As a result, CyRide will incorporate the following:

- **Bus Technology/Signage:** CyRide will continue investing in bus technology to improve system efficiency and ride experience for passengers with disabilities. Interior signs displaying upcoming stops will be expanded to additional vehicles, and obsolete advertising screens will be retrofitted with new equipment. These signs will be supported with 80% federal funding.

Comments
CyRide recently purchased demand response software to help manage existing and future demand response service offerings. This purchase includes internal management tools and a passenger-facing app for scheduling rides. Flexible transit services are vital to expanding transit access in community areas not well served by the existing fixed route bus lines.

Location
CyRide, 601 North University Boulevard

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Bus Technology	250,000	50,000	50,000	50,000	50,000	50,000
Infotainment Signage	70,388	70,388				
Total	**320,388**	**120,388**	**50,000**	**50,000**	**50,000**	**50,000**
Financing:						
Transit Fund	264,078	64,078	50,000	50,000	50,000	50,000
Federal 5310 Grants	56,310	56,310				
Total	**320,388**	**120,388**	**50,000**	**50,000**	**50,000**	**50,000**

Program - Activity:	Department:	Account Number:
Transportation - Transit	CyRide	552-1159-439 552-1169-439

CyRide Shop and Office Equipment

Project Status: Cost Change

Description/Justification
The FY 2024/25 office equipment expenditures include the replacement of computers, laptops, printers, office chairs, and stand-up style desks at an estimated cost of $14,400. Except for stand-up desks, these expenditures will be used to replace old and obsolete equipment.

The CyRide Maintenance Division uses specialized equipment to maintain buses and to stay in compliance with Federal Transit Administration regulations regarding vehicle maintenance. Expenditures in this category can be difficult to predict as some of the equipment is up to 40 years old and is still reliable; therefore, CyRide has historically budgeted between $45,000 and $50,000 each fiscal year for shop equipment. Over the next three years, CyRide Maintenance is planning to purchase several pieces of equipment. This includes specialized equipment to help maintain the growing fleet of articulated buses as well as a tire balancer and an alignment rack.

2024/25	Tire balancer ($27,000), steam clean hoist ($150,000), shop equipment ($50,000), auxiliary heaters ($50,000), computer replacement ($14,400)
2025/26	Snow removal equipment ($40,000), inground bus lift ($150,000), shop equipment ($50,000), computer replacement ($14,400)
2026/27	60-inch brake press ($25,000), alignment rack ($35,000), shop equipment ($50,000), computer replacement ($14,400)
2027/28	Shop equipment ($50,000), computer replacement ($14,400)
2028/29	Shop equipment ($50,000), computer replacement ($14,400)

Location
CyRide, 601 North University Boulevard

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Computers/ Office Equipment		72,000	14,400	14,400	14,400	14,400	14,400
Shop Equipment		677,000	227,000	240,000	110,000	50,000	50,000
Auxiliary Heaters (buses)		50,000	50,000				
	Total	**799,000**	**291,400**	**254,400**	**124,400**	**64,400**	**64,400**
Financing:							
Transit Fund		799,000	291,400	254,400	124,400	64,400	64,400
	Total	**799,000**	**291,400**	**254,400**	**124,400**	**64,400**	**64,400**

Program - Activity:	**Department:**	**Account Number:**
Transportation - Transit	CyRide	552-1159-439

Bus Stop Improvements

Project Status: No Change

Description/Justification
Over the past several years CyRide has seen a significant shift in riding patterns. CyRide is in the process of updating the bus stop improvement plan to ensure improvements enhance the passenger experience for the greatest number of riders. Additionally, the Iowa Department of Transportation issued a report with recommended bus stop improvements along their roadways, which will be incorporated into the updated plan.

CyRide will continue to use automatic passenger counters (APCs) to measure the number of passengers boarding and alighting at bus stops, ensuring that bus stop amenities improve and enhance the passenger experience for the greatest number of riders. CyRide also added local funding for small concrete replacement projects.

Comments
Funding for shelter improvements is 80% federally funded from Federal Transit Administration Section 5310 funding.

Location
Various locations throughout Ames.

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Pads, Benches, Shelters		350,000	70,000	70,000	70,000	70,000	70,000
Concrete		155,000	25,000	30,000	30,000	35,000	35,000
	Total	**505,000**	**95,000**	**100,000**	**100,000**	**105,000**	**105,000**
Financing:							
Transit Fund		225,000	39,000	44,000	44,000	49,000	49,000
Federal 5310 Grants		280,000	56,000	56,000	56,000	56,000	56,000
	Total	**505,000**	**95,000**	**100,000**	**100,000**	**105,000**	**105,000**

Program - Activity:
Transportation - Transit

Department:
CyRide

Account Number:
552-1159-439
552-1169-439

Airport

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Airside Improvements	18,282,500	865,000	6,834,000	6,833,500	3,750,000	-	110
Airport Entryway Improvements	1,720,000	680,000	115,000	-	395,000	530,000	111
Airport Facility Improvements	1,671,500	250,000	696,500	725,000	-	-	112
Total Project Expenditures	**21,674,000**	**1,795,000**	**7,645,500**	**7,558,500**	**4,145,000**	**530,000**	
Funding Sources:							
Debt:							
G.O. Bonds	3,610,000	680,000	806,500	778,500	815,000	530,000	
City:							
Airport Improvements Fund	600,000	155,000	115,000	25,000	305,000	-	
Other:							
Federal Aviation Administration	16,005,500	735,000	6,150,500	6,375,000	2,745,000	-	
Federal/State Grants	1,458,500	225,000	573,500	380,000	280,000	-	
Total Other Funding Sources:	17,464,000	960,000	6,724,000	6,755,000	3,025,000	-	
Total Funding Sources	**21,674,000**	**1,795,000**	**7,645,500**	**7,558,500**	**4,145,000**	**530,000**	

Airport Airside Improvements

Project Status: Scope Change Cost Increase

Description/Justification

This program involves enhancing the airport's operational surfaces by resurfacing and expanding runways, taxiways, and aprons, along with installing updated lighting and signage for safety and standard compliance. It aligns with FAA guidelines, focusing on safe, efficient design and layout of airport facilities. Furthermore, it meets the FAA's Airport Improvement Program criteria for funding, addressing key safety improvements in airport infrastructure safety, capacity, security, and environmental aspects.

Comments

This program's project selection is guided by the Airport Master Plan, which is developed in consultation with City staff and the Federal Aviation Administration (FAA). These collaborative evaluations focus on assessing the current and future needs of the airport facilities. This ensures that the chosen projects align with both local priorities and federal funding eligibility criteria. Grant funds are allocated based on a national scoring system for all General Aviation Airport projects submitted in that respective year's funding cycle.

2024/25	Reconstruct runway 01/19 - design ($735,000 FAA; $130,000 Airport Improvements Fund)
2025/26	Reconstruct runway 01/19 - construction north ($6,150,500 FAA; $683,500 G.O. Bonds)
2026/27	Reconstruct runway 01/19 - construction south ($6,150,000 FAA; $683,500 G.O. Bonds)
2027/28	Reconstruct runway 13/31 - pavement rehabilitation ($450,000 FAA; $50,000 Airport Improvements Fund); lighting ($280,000 state grants; $70,000 G.O. Bonds); Taxiway B - pavement rehabilitation ($1,530,000 FAA; $170,000 Airport Improvements Fund); lighting ($350,000 G.O. Bonds); Taxiway A - pavement rehabilitation ($765,000 FAA; $85,000 Airport Improvements Fund)

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		4,570,625	216,250	1,708,500	1,708,375	937500	
Construction		13,711,875	648,750	5,125,500	5,125,125	2812500	
	Total	**18,282,500**	**865,000**	**6,834,000**	**6,833,500**	**3,750,000**	
Financing:							
G.O. Bonds		1,787,000		683,500	683,500	420,000	
Airport Improvements Fund		435,000	130,000			305,000	
FAA Funding		15,780,500	735,000	6,150,500	6,150,000	2,745,000	
State Grants		280,000				280,000	
	Total	**18,282,500**	**865,000**	**6,834,000**	**6,833,500**	**3,750,000**	

Program - Activity:	**Department:**	**Account Number:**
Transportation - Airport	Public Works	502-7082-439

Airport Entryway Improvements

Project Status: Scope Change Cost Decrease

Description/Justification
This program includes enhancing airport access by reconstructing the main entry road and upgrading signage to improve traffic flow efficiency. This aligns with the FAA's Airport Improvement Program (AIP), which, although primarily concentrated on airside and specific facilities, underscores the significance of overall airport functionality, particularly in terms of accessibility and operational efficiency.

Comments
The program's projects include the main access road improvement, expanding paved parking, and enhancing the central entryway landscaping. This program aligns with the Airport Master Plan goals and adheres to FAA best practices.

2024/25	Airport entrance road improvements
2025/26	Landscaping central entryway greenspace
2027/28	Airport parking expansion (southern half)
2028/29	Airport parking expansion (northern half)

Location
2520 Airport Drive

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		220,000	80,000	15,000		55,000	70,000
Construction		1,500,000	600,000	100,000		340,000	460,000
	Total	**1,720,000**	**680,000**	**115,000**		**395,000**	**530,000**
Financing:							
G.O. Bonds		1,605,000	680,000			395,000	530,000
Airport Improvements Fund		115,000		115,000			
	Total	**1,720,000**	**680,000**	**115,000**		**395,000**	**530,000**

Program - Activity: Transportation - Airport
Department: Public Works
Account Number: 385-7080-439

Airport Facility Improvements

Project Status: Scope Change Cost Increase

Description/Justification
This program focuses on upgrading airport facilities, including building enhancements, stormwater basin improvements, and fuel farm modernization for safety and storage. These improvements, aimed at boosting infrastructure resilience and minimizing environmental impacts, align with the FAA's Airport Improvement Program.

Comments
The following projects enhance airport safety, capacity, security, and environmental efficiency. Grant funds are allocated based on a national scoring system for all General Aviation Airport projects submitted in that year's funding cycle.

2024/25	Drainage improvements ($225,000 federal grant; $25,000 Airport Improvements Fund)
2025/26	Relocate the National Weather Service's Automated Surface Observing Systems (ASOS) from the old terminal ($148,500 federal grant; $16,500 G.O. bonds); fuel farm replacement - jet fuel tank ($425,000 state grants; $106,500 G.O. bonds)
2026/27	Old terminal demolition ($225,000 FAA ; $25,000 Airport Improvements Fund); fuel farm replacement – av gas tank ($380,000 state grants; $95,000 G.O. bonds).

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Engineering		305,375	62,500	174,125	68,750		
Construction		1,366,125	187,500	522,375	656,250		
	Total	**1,671,500**	**250,000**	**696,500**	**725,000**		
Financing:							
G.O. Bonds		218,000		123,000	95,000		
Airport Improvements Fund		50,000	25,000		25,000		
FAA		225,000			225,000		
Federal Grants		373,500	225,000	148,500			
State Grants		805,000		425,000	380,000		
	Total	**1,671,500**	**250,000**	**696,500**	**725,000**		

Program - Activity:	**Department:**	**Account Number:**
Transportation - Airport	Public Works	502-7078-439

CULTURE & RECREATION

CITY OF Ames™

Culture and Recreation

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures:							
Parks and Recreation	28,044,823	22,304,804	2,857,859	1,123,500	864,380	894,280	114
Library	47,304	47,304	-	-	-	-	126
Cemetery	150,000	-	75,000	-	75,000	-	128
Total Expenditures	**28,242,127**	**22,352,108**	**2,932,859**	**1,123,500**	**939,380**	**894,280**	
Funding Sources:							
Debt:							
G.O. Bonds	19,255,375	17,378,016	1,877,359	-	-	-	
City:							
Local Option Sales Tax	4,620,500	927,840	1,055,500	873,500	869,380	894,280	
Ice Arena Capital Reserve	145,000	25,000	-	100,000	20,000	-	
Total City Funding	4,765,500	952,840	1,055,500	973,500	889,380	894,280	
Other:							
Private Donations	2,652,571	2,652,571	-	-	-	-	
American Rescue Plan	868,681	868,681	-	-	-	-	
Grant Funding	700,000	500,000	-	150,000	50,000	-	
Total City Funding	4,221,252	4,021,252	-	150,000	50,000	-	
Total Funding Sources	**28,242,127**	**22,352,108**	**2,932,859**	**1,123,500**	**939,380**	**894,280**	

Parks and Recreation

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Fitch Family Indoor Aquatic Center	21,876,627	20,699,268	1,177,359	-	-	-	115
Park System/Facility Improvements	1,393,420	150,000	406,500	386,520	325,400	125,000	117
Splash Pad	556,036	556,036	-	-	-	-	118
Playground Equipment Improvements	1,198,740	74,500	149,000	236,980	168,980	569,280	119
ADA Transition Plan Improvements	500,000	100,000	100,000	100,000	100,000	100,000	120
Ada Hayden Heritage Park	1,650,000	700,000	700,000	-	250,000	-	121
Ames/ISU Ice Arena	145,000	25,000	-	100,000	20,000	-	122
Moore Memorial Park	375,000	-	75,000	300,000	-	-	123
Homewood Golf Course	250,000	-	250,000	-	-	-	124
Furman Aquatic Center	100,000	-	-	-	-	100,000	125
Total Project Expenditures	**28,044,823**	**22,304,804**	**2,857,859**	**1,123,500**	**864,380**	**894,280**	
Funding Sources:							
Debt:							
G.O. Bonds	19,255,375	17,378,016	1,877,359	-	-	-	
City:							
Local Option Sales Tax	4,423,196	880,536	980,500	873,500	794,380	894,280	
Ice Arena Capital Reserve	145,000	25,000	-	100,000	20,000	-	
Total City Funding	4,568,196	905,536	980,500	973,500	814,380	894,280	
Other:							
Private Donations	2,652,571	2,652,571	-	-	-	-	
American Rescue Plan	868,681	868,681	-	-	-	-	
Grant Funding	700,000	500,000	-	150,000	50,000	-	
Total Other Funding	4,221,252	4,021,252	-	150,000	50,000	-	
Total Funding Sources	**28,044,823**	**22,304,804**	**2,857,859**	**1,123,500**	**864,380**	**894,280**	

Fitch Family Indoor Aquatic Center

Project Status: Scope Change

Description/Justification

The Fitch Family Indoor Aquatic Center will be located at 115 North Elm Street, which the City purchased from the Iowa Department of Transportation (IDOT) in January 2023 for $2.9 million. The proposed Center will have a one-story building and contain a 25-yard six-lane lap pool, a zero-depth entry pool with a play structure, a current channel, a wellness pool, slide, locker rooms (men's, women's, and gender neutral), and party/meeting ro oms. These components have been packaged together in a base bid. Additionally, three add alternates have been included, 1) Multi-purpose space and walking area; 2) Heating to main entry concrete; and 3) Tile edge to the lap and recreation pools. Construction is estimated to begin in April 2024, with the Center opening in November 2025.

Comments

Indoor Aquatic Center Estimated Project Schedule:

Expenses:

	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26	Total
Conceptual Design/ Environmental Testing	$ 22,000	$ 42,218	$ 675	$ -	-	-	**$ 64,893**
Land	-	-	2,900,000	-	-	-	**$ 2,900,000**
Relocate Electric Lines	-	-	75,000	-	-	-	**$ 75,000**
Design	-	-	523,320	871,727	271,848	116,955	**$ 1,783,850**
Remediation/Mitigation	-	-	-	500,000	500,000	-	**$ 1,000,000**
Construction Manager (CM)	-	-	135,327	300,000	837,948	118,954	**$ 1,392,229**
Soils, Survey, Testing (SST)	-	-	100,000	145,000	145,000	-	**$ 390,000**
Construction (Base Bid)	-	-	-	3,558,800	16,573,355	141,450	**$ 20,273,605**
Furniture, Fixtures, & Equipment (FFE)	-	-	-	-	500,000	-	**$ 500,000**
Base Project Subtotal	**$ 22,000**	**$ 42,218**	**$ 3,734,322**	**$ 5,375,527**	**$ 18,828,151**	**$ 377,359**	**$ 28,379,577**
Owner's Contingency	-	-	-	$ 1,050,000	$ 1,050,000	-	**$ 2,100,000**
Add Alternates	-	-	-	-	821,117	800,000	**$ 1,621,117**
Base Project Total	**$ 22,000**	**$ 42,218**	**$ 3,734,322**	**$ 6,425,527**	**$ 20,699,268**	**$ 1,177,359**	**$ 32,100,694**

Funding:

	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26	Total
Hotel/Motel Tax	$ 22,000	$ 42,218	$ 675	$ -	-	-	**$ 64,893**
G.O. Bonds	-	-	1,000,000	1,000,000	16,678,016	1,177,359	**$ 19,855,375**
Geitel Winakor Donation Fund	-	-	-	1,950,000	-	-	**$ 1,950,000**
Donations	-	-	2,733,647	2,975,527	2,652,571	-	**$ 8,361,745**
Community Attraction & Tourism (CAT) Grant	-	-	-	-	500,000	-	**$ 500,000**
Story County Contribution	-	-	-	500,000	-	-	**$ 500,000**
ARPA Funding	-	-	-	-	868,681	-	**$ 868,681**
Total	**$ 22,000**	**$ 42,218**	**$ 3,734,322**	**$ 6,425,527**	**20,699,268**	**$ 1,177,359**	**$ 32,100,694**

Location 115 North Elm Street

Conceptual Base Bid and Add Alternate Floor Plan

Conceptual Rendering of Base Bid and Add Alternate (Walking and Multi-Purpose Areas)

Zero-depth Entry Pool with Current Channel

Lap Pool

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Design, CM, FFE, & SST	1,990,705	1,754,796	235,909			
Remediation and Contingency	1,550,000	1,550,000				
Construction	18,335,922	17,394,472	941,450			
Total	**21,876,627**	**20,699,268**	**1,177,359**			
Financing:						
G.O. Bonds	17,855,375	16,678,016	1,177,359			
Donations	2,652,571	2,652,571				
Community Attraction & Tourism Grant	500,000	500,000				
ARPA Funding	868,681	868,681				
Total	**21,876,627**	**20,699,268**	**1,177,359**			

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:

Park System/Facility Improvements

Project Status: Schedule Change Cost Change

Description/Justification
To maintain City parks in a safe and quality manner, the projects listed below address maintenance issues and improvements at various locations.

Comments

2024/25	Refinish Community Center wood gymnasium floor ($150,000)
2025/26	Replace sound system at Auditorium ($150,000); install 20 parking spots by Cottonwood Shelter in North River Valley Park ($206,500); add gutters to the hill drive at Emma McCarthy Lee Park ($50,000)
2026/27	Add parking near soccer fields at North River Valley Park ($313,020); replace weight and cardio room floor in Community Center ($40,000); upgrades to Tom Evans Plaza ($33,500)
2027/28	Renovate canoe/kayak access ($50,000) at River Valley Park; renovate canoe/kayak access at South 16th Street ($50,000); remove light poles on the baseball field at Brookside Park ($100,000); replace Cottonwood Shelter at River Valley Park ($125,400)
2028/29	Renovate restroom in North River Valley Park ($125,000)

The schedule change and cost change are the result of staff reprioritization.

Location
Various

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering						
Construction	1,393,420	150,000	406,500	386,520	325,400	125,000
Total	**1,393,420**	**150,000**	**406,500**	**386,520**	**325,400**	**125,000**
Financing:						
G.O. Bonds						
Local Option Sales Tax	1,343,420	150,000	406,500	386,520	275,400	125,000
Grants	50,000				50,000	
Total	**1,393,420**	**150,000**	**406,500**	**386,520**	**325,400**	**125,000**

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:
Various

Splash Pad

Project Status: Cost Increase

Description/Justification
A 5,000 square foot splash pad with multiple spray features is planned to be constructed in Daley Park, 340 Wilder Boulevard. Ames residents have been asking for this amenity for some time and it has been shown in the CIP as early as FY 2017/18. City Council has directed staff to design the splash pad with a recirculation system which is similar to what is used in a swimming pool. The capital costs for this project increase because of the recirculation system due to the addition of recirculation pumps, balance tank, disinfection system, and additional restroom/shower facilities. However, the annual operational costs are much lower due to much lower utility costs (i.e. water and sanitary sewer).

Comments
The budget for this project is shown below:

2023/24	Preliminary approved funding	793,356
2024/25	Additional funding	556,036
		1,349,392

Location
Daley Park, 340 Wilder Boulevard

	Total	2024/25	2024/25	2025/26	2026/27	2028/29
Cost:						
Construction	556,036	556,036				
Total	**556,036**	**556,036**				
Financing:						
Local Option Sales Tax	556,036	556,036				
Total	**556,036**	**556,036**				

Program - Activity: Culture and Recreation - Parks and Recreation

Department: Parks and Recreation

Account Number:

Playground Equipment Improvements

Project Status: Schedule Change Cost Change

Description/Justification
Over the past 25 years, the City has replaced old play equipment throughout the park system. The life expectancy of play equipment is 20–25 years. Therefore, it is now necessary to begin replacement of playground equipment that was installed at the beginning of this cycle. This program includes a systematic plan to continue replacing playground equipment on this cycle.

Plans call for playground equipment replacement at the locations shown below.

Comments

2024/25	Replace equipment in Patio Homes West Park ($74,500)
2025/26	Replace equipment in Parkview North Park ($75,500); replace equipment in North River Valley Park ($73,500)
2026/27	Replace equipment adjacent to Hickory Shelter in Brookside Park ($70,500); replace ages 2-5 equipment in O'Neil Park ($74,700); replace ages 5-12 equipment in O'Neil Park ($91,780)
2027/28	Replace equipment in Old Town Park ($77,200); replace equipment adjacent Cottonwood Shelter in River Valley Park ($91,780)
2028/29	Replace ages 2-5 equipment and ages 5-12 equipment in Moore Memorial Park ($250,000); replace equipment adjacent Butternut Shelter in Emma McCarthy Lee Park ($91,980); replace equipment in Gateway Hills Park ($77,400); replace equipment in Franklin Park ($74,900); replace a section of surfacing in Miracle Park ($75,000)

The cost change noted in the Project Status is a result of the schedule changes associated with the equipment improvements.

Location
Various

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Construction		1,198,740	74,500	149,000	236,980	168,980	569,280
	Total	**1,198,740**	**74,500**	**149,000**	**236,980**	**168,980**	**569,280**
Financing:							
Local Option Sales Tax		1,198,740	74,500	149,000	236,980	168,980	569,280
	Total	**1,198,740**	**74,500**	**149,000**	**236,980**	**168,980**	**569,280**

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:
030-5348-459

ADA Transition Plan Improvements

Project Status: No Change

Description/Justification
To better understand how the Parks and Recreation facilities can better serve Ames' differently abled residents and comply with the 2010 Americans with Disabilities Act (ADA) Standards for Accessible Design, an inventory and assessment of the park system and facilities was completed in FY 2022/23. With the information gathered from the inventory and assessment, a transition plan is being developed to help achieve both of those goals.

In anticipation of items needing to be addressed, funding is reflected in each year of the CIP. These are estimates since costs will not be known until the transition plan is finalized in 2024.

Comments
Actual transition plan items will be determined based on the transition plan.

Location
Various

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Construction	500,000	100,000	100,000	100,000	100,000	100,000
Total	**500,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**
Financing:						
Local Option Sales Tax	500,000	100,000	100,000	100,000	100,000	100,000
Total	**500,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:
030-5351-459

Ada Hayden Heritage Park

Project Status: Schedule Change

Description/Justification
Ada Hayden Heritage Park is the crown jewel of the Ames Park system. To keep it maintained and install new features, two projects have been identified.

The asphalt trails around the lakes are deteriorating. This project will replace the asphalt with concrete and widen the path from ten feet to twelve feet, thereby facilitating safe use by more users of the path.

The pond is located in the northwest section of the park north of the upland trail. It is an excellent location for creating a child-friendly fishing location. Dredging the pond and adding a fishing dock, a solar operated aerator, a path around the pond, and a new outlet structure are all components of this project.

Schedule change is a delay in the pond renovation.

Comments

2024/25	Replace path around south lake
2025/26	Replace path around north lake
2027/28	Pond renovation

Location
Ada Hayden Heritage Park, 5205 Grand Avenue

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering						
Construction	1,650,000	700,000	700,000		250,000	
Total	**1,650,000**	**700,000**	**700,000**		**250,000**	
Financing:						
G.O. Bonds	1,400,000	700,000	700,000			
Local Option Sales Tax	250,000				250,000	
Total	**1,650,000**	**700,000**	**700,000**		**250,000**	

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:
385-5389-459

Ames/ISU Ice Arena

Project Status: Scope Change Cost Change

Description/Justification
The Ames/ISU Ice Arena is over 22 years old. In order to continue providing a quality experience and well-maintained facility for ice users, the ice-making, HVAC, and other unique equipment components need to be periodically reconstructed, replaced, or repaired:

Comments
Funding for capital improvement projects is provided through the Ice Arena Capital Reserve Fund. Every year, the City and Iowa State University each contribute $40,000 to this fund to ensure the facility is well-maintained. It is estimated that as of June 30, 2024, the fund balance will be $46,042.

2024/25	Replace water heaters
2026/27	Ice-making system (compressor #1) complete overhaul
2027/28	Ice-making system (compressor #2) top-end overhaul

Location
Ames/ISU Ice Arena, 1505 Gateway Hills Park Drive

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Construction	145,000	25,000		100,000	20,000	
Total	**145,000**	**25,000**		**100,000**	**20,000**	
Financing:						
Ice Arena Capital Reserve Fund	145,000	25,000		100,000	20,000	
Total	**145,000**	**25,000**		**100,000**	**20,000**	

Program - Activity:	Department:	Account Number:
Culture and Recreation - Parks and Recreation	Parks and Recreation	571-5336-459

Moore Memorial Park

Project Status: Funding Change Delayed

Description/Justification
Moore Memorial Park covers 90 acres with 50 located east of Ioway Creek and 40 west of the creek. The upper 50-acre parcel was developed into a community park in 1991. Until 2022, the 40-acre parcel had been leased to Iowa State University as an agricultural research plot for $3,000 per year. The University farmed this land for the final time in 2021. Parks and Recreation staff is working with Water and Pollution Control and Public Works staff to retire this land and install nutrient reduction and water quality practices.

In response to community input to connect parks via hard surface trails, a pedestrian bridge will link these two parcels of City property. The plan is to then have a trail from Moore Memorial Park along Scholl Road to Ontario Street. This improvement is viable because ISU owns the land adjacent to the City's 40-acre parcel. In the event ISU allows public access through its parcel, several miles of recreational trails would be linked together. Staff will continue to meet with ISU officials to acquire the necessary easements to bring this project to fruition.

This project was delayed to allow for the completion of previously approved projects.

Comments

2025/26	Engineer/design a pedestrian bridge to cross Ioway Creek at Moore Memorial Park
2026/27	Install a pedestrian bridge across Ioway Creek at Moore Memorial Park

Location
Moore Memorial Park, 3050 Northridge Parkway

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering/Design	75,000		75,000			
Construction	300,000			300,000		
Total	**375,000**		**75,000**	**300,000**		
Financing:						
Local Option Sales Tax	225,000		75,000	150,000		
Grants	150,000			150,000		
Total	**375,000**		**75,000**	**300,000**		

Program - Activity:
Culture and Recreation - Parks and Recreation

Department:
Parks and Recreation

Account Number:

Homewood Golf Course

Project Status: Delayed

Description/Justification
The current bridge on Hole #9 was designed for walking golfers. Since the demand for motorized carts at Homewood has increased, replacing this bridge with one designed for motorized carts will speed up play and reduce safety concerns for golfers having to drive along Hole #8 to get to the 9th green. This project was delayed in an effort to complete previously scheduled projects.

Comments
Replace the bridge on Hole #9 so it can accommodate carts.

2023/24	Ravine Study	$25,000 (Local Option Sales Tax)
2023/24	Project Design	$75,000 (Homewood Golf Course Fund)
2025/26	Construction	$250,000 (Local Option Sales Tax)

Location
Homewood Golf Course, 401 East 20th Street

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Engineering						
Construction	250,000		250,000			
Total	**250,000**		**250,000**			
Financing:						
Local Option Sales Tax	250,000		250,000			
Total	**250,000**		**250,000**			

Program - Activity:	Department:	Account Number:
Culture and Recreation - Parks and Recreation	Parks and Recreation	

Furman Aquatic Center

Project Status: Delayed

Description/Justification
This facility opened in May 2010. It has been operational for twelve seasons, with an average of 89,565 visitors per summer. To ensure it remains a quality facility, structural and electrical issues are identified to be addressed in a systematic manner.

The current light fixtures on the deck poles at times allow water to accumulate inside the fixture, which must be drained. Replacement with LED lamps and updated fixtures will reduce maintenance and energy consumption.

This project was delayed to allow for the completion of previously approved projects.

Comments
2028/29 Replace the light fixtures on the pool deck poles ($100,000)

Location
Furman Aquatic Center, 1365 13th Street

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Construction	100,000					100,000
Total	**100,000**					**100,000**
Financing:						
Local Option Sales Tax	100,000					100,000
Total	**100,000**					**100,000**

Program - Activity: Culture and Recreation - Parks and Recreation
Department: Parks and Recreation
Account Number:

Library

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Library Carpet Replacement	47,304	47,304	-	-	-	-	127
Total Project Expenditures	**47,304**	**47,304**	**-**	**-**	**-**	**-**	
Funding Sources:							
City:							
Local Option Sales Tax	47,304	47,304	-	-	-	-	
Other:							
Private Contributions	-	-	-	-	-	-	
Total Funding Sources	**47,304**	**47,304**	**-**	**-**	**-**	**-**	

Library Carpet Replacement

Project Status: Cost Increase

Description/Justification
The Ames Public Library building was expanded and completely renovated between 2012 and 2014. and was re-opened to the public on September 14, 2014. The library sees an average of 1,300 people per day. By the time the renovated building has been in use for 10 years, the flooring will most likely have been traversed over 4 million times and show considerable wear.

The first-floor carpet replacement includes replacing approximately 9,450 square feet of flooring in the youth services area, 2,640 square feet of flooring in the auditorium, and 610 square feet of flooring in the entryway. Carpet tile will need to be torn out and flooring laid. Estimated pricing includes 2,540 square feet of extra material for fitting and making minor future repairs.

The second-floor carpet replacement includes replacing approximately 6,000 square feet of flooring in the adult service area. Carpet tile will again need to be torn out and flooring laid. Estimated pricing includes 2,418 square feet of extra material for fitting and making minor future repairs.

Comments
Pricing includes the estimated cost of materials, adhesive, and professional removal and installation. Additional funding has been added to the project due to the estimated increase in the cost of materials and labor.

2023/24	First floor and partial funding for second floor	255,696
2024/25	Remainder of funding for second floor	47,304
		303,000

Location
515 Douglas Avenue

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Material/Labor		47,304	47,304				
	Total	**47,304**	**47,304**				
Financing:							
Local Option Sales Tax		47,304	47,304				
	Total	**47,304**	**47,304**				

Program - Activity: Culture and Recreation - Library
Department: Library/Adult Services
Account Number: 030-2631-459

Cemetery

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Cemetery Improvements	150,000	-	75,000	-	75,000	-	129
Total Project Expenditures	**150,000**	**-**	**75,000**	**-**	**75,000**	**-**	
Funding Sources:							
City:							
Local Option Sales Tax	150,000	-	75,000	-	75,000	-	
Total Funding Sources	**150,000**	**-**	**75,000**	**-**	**75,000**	**-**	

Cemetery Improvements

Project Status: No Change

Description/Justification
To honor the memory of those buried in the City's two active cemeteries and to provide peaceful, well-maintained locations for those who visit, this program identifies and provides funding for improvements at the Ames Municipal Cemetery and the Ontario Cemetery.

The galvanized chain link fencing at the Ontario Cemetery needs replacement. A more decorative style fence like that at the Ames Municipal Cemetery will be installed.

Cremation burials have surpassed traditional burials, and this trend is forecasted to continue. Purchasing three additional columbaria will position the City to be able to meet this demand. In anticipation of this expansion, the concrete pads for these columbaria were installed in 2022.

Comments

2025/26	Replace fencing at Ontario Cemetery ($75,000)
2027/28	Purchase three columbaria ($75,000)

Location
Ames Municipal Cemetery, 310 East 9th Street, and Ontario Cemetery, 720 North Dakota Avenue

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Construction	150,000		75,000		75,000	
Total	**150,000**		**75,000**		**75,000**	
Financing:						
Local Option Sales Tax	150,000		75,000		75,000	
Total	**150,000**		**75,000**		**75,000**	

Program - Activity:	Department:	Account Number:
Culture and Recreation - Parks and Recreation	Parks and Recreation	

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COMMUNITY DEVELOPMENT

CITY OF Ames™

Community Development

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures:							
Neighborhood Improvements	875,000	175,000	175,000	175,000	175,000	175,000	132
Total Expenditures	**875,000**	**175,000**	**175,000**	**175,000**	**175,000**	**175,000**	
Funding Sources:							
City:							
Local Option Sales Tax	875,000	175,000	175,000	175,000	175,000	175,000	
Total Funding Sources	**875,000**	**175,000**	**175,000**	**175,000**	**175,000**	**175,000**	

Neighborhood Improvements

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
Downtown Facade Program	375,000	75,000	75,000	75,000	75,000	75,000	133
Campustown Façade Grant Program	250,000	50,000	50,000	50,000	50,000	50,000	134
Neighborhood Improvement Program	250,000	50,000	50,000	50,000	50,000	50,000	135
Total Project Expenditures	**875,000**	**175,000**	**175,000**	**175,000**	**175,000**	**175,000**	
Funding Sources:							
City:							
Local Option Sales Tax	875,000	175,000	175,000	175,000	175,000	175,000	
Total Funding Sources	**875,000**	**175,000**	**175,000**	**175,000**	**175,000**	**175,000**	

Downtown Façade Improvement Program

Project Status: No Change

Description/Justification
This project was introduced in FY 2001/02 to facilitate private improvements to the façades of buildings in the Downtown area. For three years, the City did not receive any requests for these funds.

Downtown Design Guidelines were approved by the City Council in 2001 to ensure that financial assistance for façade improvements is consistent with the historical character of Downtown. The program initially started with loans but was altered by the City Council to be a grant program. To qualify for these funds, improvements must be made to at least one of the following exterior elements: upper façades, storefronts, transoms, display windows, kick plates, entrances, signs, or awnings/canopies. In FY 2011/12 the City Council expanded the program guidelines and implemented a review and award period in the spring of each year. Additionally, to aid in comparing applications, the City Council also established a scoring process to prioritize awarding grants.

Under this program, the City provides grant funds to be matched dollar for dollar up to $23,000 per façade award. In addition, a $2,000 grant is available to subsidize the cost of architectural services. Since 2001 the program has awarded 49 grants to downtown businesses. Of the 53 award grants, 49 were accepted for a total of approximately $658,208 of grant funding that has been expensed. FY 2024/25 will begin with a new $75,000 allocation.

Comments
FY 2023/24 the total annual budget was increased to $75,000. In May 2023, City Council changed the individual awards maximum to $23,000 and $2,000 for design assistance.

Location
Downtown Ames

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Incentives (Loans or Grants)	375,000	75,000	75,000	75,000	75,000	75,000
Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**
Financing:						
Local Option Sales Tax	375,000	75,000	75,000	75,000	75,000	75,000
Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**

Program - Activity: Community Development - Downtown Façade Improvement Program
Department: Planning & Housing
Account Number: 030-1030-469

Campustown Façade Improvement Program

Project Status: No Change

Description/Justification
The purpose of the Campustown Façade Improvement Program is to improve the Campustown commercial district by providing financial incentives to enhance the appearance and use of existing buildings with commercial use. The program design is to encourage and maintain the eclectic culture and 'uniqueness' of Campustown; to increase safety, security, and investments by property and business owners; and to add to the vitality of Campustown.

This program seeks to encourage the creation of a place that is walkable, transparent, eclectic, sustainable, social, and historic. Beginning in FY 2014/15, the first step in the process was to hire a consultant to assist the City in the development of a "Vision Statement," prepare an "Idea Book," review design ideas and guidelines, help applicants wanting to apply for the program, determine costs and feasibility, and conduct workshops and working meetings with applicants and City staff. The second step was to implement two pilot projects to include construction and evaluation.

Under this program, the City provides up to $23,000 in grant funds to be per project matched dollar for dollar. In addition, a $2,000 grant is available to subsidize architectural costs. Through June 2022, the program has awarded seven grants to Campustown businesses and has expensed a total of $122,580 on these seven projects. FY 2024/25 will begin with a new $50,000 allocation.

Comments
This program will address the City Council's goal of revitalizing Campustown. Although there are annual inquiries about the program, interest has waned in recent years for new applications. City Council amended the program in 2022 to allow for applications on a rolling basis instead of annually. Along with Downtown Façade Grant program changes, individual grant awards were modified in May 2023.

Location
Campustown Ames

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Incentives (Loans or Grants)	250,000	50,000	50,000	50,000	50,000	50,000
Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**
Financing:						
Local Option Sales Tax	250,000	50,000	50,000	50,000	50,000	50,000
Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**

Program - Activity:	**Department:**	**Account Number:**
Community Development - Campustown Façade Improvement Program	Planning & Housing	030-1031-469

Neighborhood Improvement Program

Project Status: No Change

Description/Justification

The Neighborhood Improvement Program was originally designed to enhance the appearance of City neighborhoods with the addition of permanent physical improvements and to promote a greater sense of community through resident participation in neighborhood projects. The program focused solely on providing City grants to help residents accomplish those projects that they themselves identified as top priorities for their neighborhoods.

Competitive proposals are solicited from neighborhood groups and are rated by a review panel consisting of City staff and citizens, according to the following criteria approved by the City Council: public impact, neighborhood participation, safety, environment, housing, and public space. Neighborhood residents are expected to provide a local match to these grants on a dollar-for-dollar basis in the form of labor, materials, and/or cash.

The program was initiated in FY 1996/97. Since that time, 126 neighborhood projects have been funded by the City, totaling $380,536.91. The City Council awarded one grant in 2022 for $1,616.30. Projects have included cul-de-sac, right-of-way and median landscaping; playground construction and/or restoration; alleyway beautification; street trees; pond renovation; installation of rain gardens, historic house plaques and medallions; prairie restoration; construction of a neighborhood message center; construction of a shelter house in a City park; park sidewalks; neighborhood basketball courts; landscaping of neighborhood entryways; installation of neighborhood barbecue grills; renovating “DZ Triangle;” Monarch butterfly habitat restoration; concrete ping pong tables in a City park, neighborhood clean-up days, and playground equipment in a new neighborhood park. Funds from this program also support neighborhood newsletter grants.

The City is committed to creating great neighborhoods with a sense of community. To complement this initiative, eligibility for these funds has been expanded beyond the original intent of the Neighborhood Improvement Grant Program to include such projects as sub-area planning elements and other support programs for neighborhood associations. In addition, the application period is now open-ended with the requirement that the funds be expended within one year of City Council approval.

	Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:						
Construction	250,000	50,000	50,000	50,000	50,000	50,000
Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**
Financing:						
Local Option Sales Tax	250,000	50,000	50,000	50,000	50,000	50,000
Total	**250,000**	**50,000**	**50,000**	**50,000**	**50,000**	**50,000**

Program - Activity:	**Department:**	**Account Number:**
Community Development - Neighborhood Improvements	Planning and Housing	030-1032-469

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GENERAL GOVERNMENT

CITY OF Ames™

General Government

	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Expenditures:							
Facilities	375,000	75,000	75,000	75,000	75,000	75,000	138
Total Expenditures	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	
Funding Sources:							
City:							
Local Option Sales Tax	375,000	75,000	75,000	75,000	75,000	75,000	
Total Funding Sources	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	

Facilities

Project/Funding Source	Total	2024/25	2025/26	2026/27	2027/28	2028/29	Page
Project:							
City Hall Improvements	375,000	75,000	75,000	75,000	75,000	75,000	139
Total Project Expenditures	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	
Funding Source:							
City:							
Local Option Sales Tax	375,000	75,000	75,000	75,000	75,000	75,000	
Total Funding Sources	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**	

City Hall Improvements

Project Status: No Change

Description/Justification
The City Hall Improvements program is focused on major maintenance or replacement of needed items for the City Hall building, the Veterans Memorial, and both east and west City Hall parking lots.

City Hall's mechanical, electrical, plumbing, sprinkler, and numerous other support systems were installed new in 1990. Funds are allocated yearly for equipment or system failures that may occur beyond the City Hall operating budget funding levels. Funding was increased from previous levels in FY 2022/23 due to the increase in materials and repair costs and the age of some of our major systems (e.g., heat pumps).

Location
City Hall, 515 Clark Avenue

		Total	2024/25	2025/26	2026/27	2027/28	2028/29
Cost:							
Maintenance		375,000	75,000	75,000	75,000	75,000	75,000
	Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**
Financing:							
Local Option Sales Tax		375,000	75,000	75,000	75,000	75,000	75,000
	Total	**375,000**	**75,000**	**75,000**	**75,000**	**75,000**	**75,000**

Program - Activity: General Government - Facilities
Department: Fleet Services/Facilities
Account Number: 030-2930-419