Capital Improvement Plan

	2022 Adopted	2023 Request	Change
2023 Capital Budget	3,255,000	9,673,000	6,418,000
2023 Capital Improvement Plan*	28,051,000	37,414,000	9,363,000

*Years 2023 to 2027 used for comparison.

	2022	2023
Number of Projects	4	4

Project Summary: Agency Request

	2023	2024	2025	2026	2027	2028
Citywide Flood Mitigation	5,410,000	10,260,000	2,660,000	710,000	710,000	2,450,000
Storm Sewer System Improvements	210,000	270,000	210,000	210,000	210,000	210,000
Stormwater Quality System Improvements	3,660,000	2,325,000	1,565,000	1,450,000	4,650,000	2,000,000
Street Cleaning Equipment - Streets	393,000	503,000	576,000	616,000	816,000	520,000
Total	9,673,000	13,358,000	5,011,000	2,986,000	6,386,000	5,180,000

2023 Capital Improvement Plan
2022 Adopted vs. 2023 Agency Request
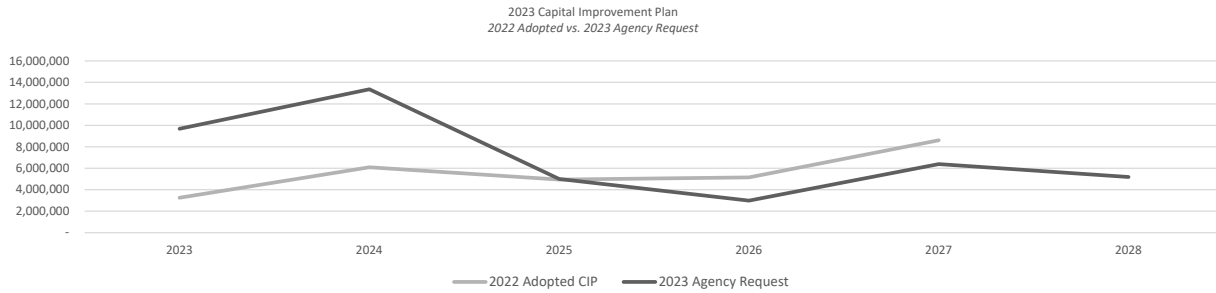
Major Changes/Decision Points

Citywide Flood Mitigation
- Program budget increased by $9.6m from 2023 through 2027, including a $1.7m increase in Non-GF GO Borrowing and $8.2m in state funding, to support the Schroeder Road Flood Mitigation project, Glenwood Children's Park Arch repair, and the Old Sauk Business Park Flood Mitigation efforts

Street Cleaning Equipment
- Program budget increased by $608k from 2023 through 2027 to reflect supply chain issues increasing costs

Stormwater Quality System Improvements
- Program budget decreased by $1.0m from 2023 through 2027 due to numerous project additions and cancellations, including a $2.7m Non-GF GO borrowing supported increase in 2023 due to adding funding for Giddings shoreline, Wexford dredge, increased funds for Lower Badger Mill Creek, and additional funds for Mendota Grassman Greenway, and removing funding for Mendota Spring Harbor Greenway in 2025 and 2026

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To: Dave Schmiedicke, Finance Director

From: Gregory T. Fries, P.E., Deputy City Engineer

Date: April 22, 2022

Subject: Stormwater Utility 2023 Capital Budget Request

Goals of Stormwater Utility Capital Budget

The Engineering Division Stormwater Utility's proposed budget emphasizes projects that are in keeping with the City's flood mitigation and stormwater quality goals and meeting the community goals of a climate resilient system. Many of the projects highlighted in this budget have flood mitigation projects which can also be coupled with goals for stormwater quality. Some place holders were put in the out years while the City's aggressive watershed study program continues. Priorities will be placed on repairs that can be done in conjunction with other public works improvements, such as major street resurfacing or reconstruction project, which will save the future expense of repairing the streets at a later date. The Stormwater Utility has taken a comprehensive look at equity and how to budget in a way that reduces biases or inequities in the process.

Prioritizing and funding future flood efforts to meet the flood mitigation and the climate change and resiliency goals of the City will be a challenge given the number of projects and the available funds. There are approximately 6 large projects in the 2023-2028 CIP that would require approximately $13.5M in grants or other funding sources in order to move them to construction. The Stormwater Utility has been aggressively submitting for numerous grants and will continue to identify funding sources in order to move projects forward.

Racial Equity and Social Justice have been major components of the Stormwater Utility's work since we embarked on our citywide watershed studies. Even prior to the floods in 2018, enhanced outreach, engagement and education were identified in a RESJ analysis to help further the Citywide Flood Mitigation program. As we have worked on our studies we have used the equity tools and lenses to review our goals, methods and how we can better connect with those that are impacted by our work. We have also used the toolkit to help us further analyze project priorities to ensure that all voices are heard when making determinations on how to spend our limited funds. As our studies progress we will continue to refine the tools we have created to help us prioritize projects in an equitable way.

Prioritized List of Capital Requests

1. **Citywide Flood Mitigation program**.   This has been a top priority since the historic flooding in 2018 when major steps were taken to set up a solid system for a comprehensive review of the City's infrastructure, ordinances and policies. All of this is needed to find holistic approaches to flooding that are equitable, effective, and take into account the growing concerns of climate change. The planning of the system improvements to address flood mitigation are in the operating budget while the costs associated with implementation of flood mitigation improvements are in the capital budget.

2. **Stormwater Quality System Improvements program**. This program is directly related to the Citywide Flood Mitigation program as a means for construction of facilities such as greenways and ponds that help treat the water for pollutant removal as well as help with flood mitigation efforts. Our Green Infrastructure initiatives are housed under this program as well. In addition to the flood mitigation benefits that come from projects under the Stormwater Quality System Improvements, this program is instrumental in meeting our TMDL goals for total suspended solids and total phosphorus reductions, as mandated under the EPA Clean Water Act and in our MS4 Permit through WDNR.

3. **Storm Sewer System Improvements program**. This program is used to fund smaller storm sewer projects that are not necessarily part of a street project, flood project or water quality project. This program also includes our preventative maintenance work such as storm sewer lining and projects that Engineering Operations crews are able to perform at a much cheaper cost than would be seen if we hired contractors to perform the work.

4. **Street Cleaning Equipment program**. This program funds the purchase of street sweepers for debris removal. This work is also related to our TMDL requirements and goals that are mandated under our MS4 Permit.

Summary of Changes from 2022 Capital Improvement Plan

For the 2023 Capital Budget we have requested an increase in funding of over $5M which would be used in all programs under the Stormwater Utility Budget. This equates to approximately 6-7% rate increase over last year. As we plan for large projects it is anticipated that projects will need outside funding, such as grants or federal aid. To set these projects up to be closer to "shovel ready" we are proceeding with design so if opportunities arise we are in a more favorable position to apply for those funds. The projects that have federal funding needs will not be moved to construction and will be put on hold until funding is available.

There are 4 major programs under the Stormwater Utility Budget: Citywide Flood Mitigation, Stormwater Quality System Improvements, Storm Sewer System Improvements, and Street Cleaning Equipment – Streets. There have been a few changes to these programs with the next budget cycle as noted below. Some minor projects have shifted slightly to align the funding needs better. Minor projects within these Major programs do need to align with the Pavement Management and Reconstruction Streets programs in the Engineering Major Streets Budget as some projects will receive additional funding to supplement the improvements over and above what the typical street costs would have been. The supplemental funding in the Citywide Flood Mitigation program coordinates larger flood mitigation projects with the Major Streets program. Material costs and higher than usual bid prices has driven program costs up resulting in the increased funding request.

Citywide Flood Mitigation
- Increased GO and Federal/state sources to include Schroeder Road Flood Mitigation project, which the City made requests for federal appropriations.
- Included more funding for the Old Sauk Business Park Flood Mitigation efforts. This would allow the project to move towards construction if the FEMA BRIC grant is received.
- Federal grant funds were increased to $6.15M in 2024
- Added funds for the regional detention construction at the Marty Farm Pond (this is included in the Streets Major project for High Point/Raymond/Mid Town)

Stormwater Quality
- Added funding for shoreline improvements in Giddings and Burr Jones Parks.
- Removed 2 sections of Greenway that did not appear well supported by the community and moved that funding into other projects that are in higher demand.
- Added additional funding to Sauk Creek Greenways, Warner Lagoon dredging and Mendota Grassman Greenways.
- Additional grant opportunities have been identified and added to the budget submittal.

Storm Sewer System Improvements
- Slight increase in funding to allow for more projects to be done with Operations crews.

Street Cleaning Equipment – Streets
- Cost of machinery and supply chain issues are driving the program costs up.
- The City recently applied for a grant for a vacuum sweeper that is noted in the budget submittal.

Potential for Scaling Capital Requests

In the Stormwater Utility Budget, individual projects are difficult to downscale. Rather than downscale, delays are more appropriate. Some of the minor projects are dependent on the timing of the street or utility work or are needed to be in a certain order to phase multiple improvements over a series of years in order to complete the full scope of overarching project. For example, multiple phase greenway system and pond repairs need to be completed in a certain order to have them perform the way they are designed. Construction out of order may create a situation where the improvements could fail or make the problem worse for others downstream. Some of the projects in which major flood mitigation improvements are being coupled with street projects could potentially be downscaled, however it should be noted that there are opportunity costs associated with this, such as having a new street surface that would have to be destroyed before the end of its useful life in order to add flood mitigation improvements later. Delay of certain projects will undoubtedly put pressure on future budgets to provide funding to maintain the City's goals of flood mitigation and stormwater quality, as mandated by the EPA and WDNR.

c.c.   Katie Crawley, Christy Baumel, Deputy City Mayor

Submitted

2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency	Stormwater Utility	**Proposal Name**	Citywide Flood Mitigation
Project Number	11513	**Project Type**	Program
Project Category	Utility	**Priority:**	1
2023 Project Number	14136		

Description

This program is for stormwater network improvements where flooding occurs during large rain events. The goal of the program is to eliminate flooding and protect property from damage. Projects planned in 2022 include: the Hawks Landing North subdivision construction, Wexford Pond flood mitigatation, and Mendota Grassman Greenway construction. This program also supports design of pond improvements and flood mitigation installations that are scheduled with street reconstruction projects.

Does the project/program description require updates? If yes, please include below.

This program is for stormwater network improvements where flooding occurs during large rain events. The goal of the program is to mitigate or eliminate flooding and protect property from damage. Projects planned in 2023 include: construction of the Mendota Grassman Greenway, Lower Badger Mill Creek Pond, Eastwood/Atwood Flood Mitigation, and the preliminary designs for West Towne Pond and Old Sauk Trails Business Park Pond and greenways. This program also supports design of pond improvements and flood mitigation installations that are scheduled with street reconstruction projects.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element:	Effective Government
Strategy	Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services.

Describe how this project/program advances the Citywide Element:

The goal of this program is to reduce flooding on a local and regional scale. Improvements listed will protect property and will provide flood mitigation on roadways for use by cars, bicycles and pedestrians, while also improving street and roadway access for emergency vehicles during large rain events. Controlling flood waters also has postive impacts to the receiving waters as it reduces pollutant loading prior to discharge to the lakes, rivers and streams.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ◉ Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

The Pheasant Branch Watershed Study recommends reconstruction of the Old Sauk Trails Business Park to increase flood storage capacity within the City, building resilience to accommodate increased storm intensities related to climate change. In the Climate Forward agenda, this program advances Initiative Four "Investing in stormwater and green infrastructure solutions to improve water quality, reduce urban heat islands and reduce stormwater runoff to lakes" by funding improvements that reduce phosphorous and sediment runoff and increase flood storage. Additionally, 2 specific projects - West Side Impact Fee District and Marty Farm Acquisition/Improvements – are required to meet development goals adopted in the Pioneer, and High Point Raymond Road Neighborhood Development Plans which informed the adopted land use map of the City of Madison Comprehensive Plan. Lastly, this program addresses several of the mitigation objectives in the Dane County Natural Hazard Mitigation Plan guiding regional preparedness for increased risks associated with climate change.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ○ Yes ◉ No

For projects/programs that are not specifically focused on maintenance and repair, what specific inequities does this program intend to address? How and for whom?

The City conducted Racial Equity and Social Justice Analysis (Citywide Flood Mitigation Outreach and Prioritization, 2018 and Watershed and Flood Study – Public Outreach and Education Plan, 2019) which identified that often people who felt comfortable and knew how to contact city representatives, were able to better leverage their voices to demand attention to their specific flood concerns. Additionally, people with more social and economic flexibility had greater ability to remedy their own private property flooding or relocate versus those with other limitations.

To address this inequity, staff developed an internal evaluation tool to compare flood risks, feasibility, and racial justice and social equity impacts across watershed study identified flood improvement projects. This overall evaluation has a specific strategy to evaluate inequities. The 2023 Schroeder Road Flood Mitigation project has a fairly modest cost for a significant benefit in an area in the Park Edge/Park Ridge NRT. The project would benefit many low income duplex and multifamily residential buildings in this area. The 2018 US ACS data identifies this census tract had ~ 46% of total families living below the poverty level. Additionally, this area is part of the Park Edge / Park Ridge Neighborhood Resource Team, established to promote improve city services within this area to address systemic barriers.   Other large budget expenses in this program for the 2024-2028 CIP are time-sensitive improvements required to address rapidly developing infill and periphery growth to accommodate additional housing and development such as the Marty Farm Acquisition and construction which is identified in the Greater Madison MPO's Environmental Justice Areas.

What data helped shape your proposal? Data may include qualitative and quantitative data such as demographic, qualified census tracts, environmental justice areas, specific recommendations from a Racial Equity and Social Justice Analysis, or other sources.

The citywide flood program uses a staff-developed data-driven evaluation to better understand flooding and racial equity and social justice inequities. This evaluation uses GIS and U.S. Census Bureau ACS data, as well as evaluation of community facilities such as schools, childcare and assisted living facilities, and affordable/public housing locations to assist in prioritizing projects.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?   ○ Yes ◉ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ◉ Yes ○ No

If yes, describe how.

The projects in the Citywide Flood Mitigation Program specifically address climate change impacts by providing flood storage solutions related to predicted increased storm events. Citywide Flood Mitigation program uses data driven watershed studies to evaluate flood impacts related to these storm events and to prioritize flood improvements. Pond reconstruction funded in this category also reduce environmental impact of phosphorous and sediment downstream through water quality best management practices.

Budget Information

Prior Appropriation*	2016-2021 Actuals	2022 Budget
$14,449,684	$7,953,390	$4,090,000

*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Borrowing - Stormwater	3,180,000	2,010,000	1,660,000	210,000	310,000	2,050,000
Impact Fees	330,000	600,000				
Reserves Applied (Stormwater)	400,000	500,000	500,000	500,000	400,000	400,000
State Sources	1,500,000	7,150,000	500,000			
Total	$5,410,000	$10,260,000	$2,660,000	$710,000	$710,000	$2,450,000

If TIF or Impact Fee funding source, which district(s)?   Westside Impact Fee District (2023), Upper Badger Mill Cr

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Stormwater Network	5,410,000	10,260,000	2,660,000	710,000	710,000	2,450,000
Total	$5,410,000	$10,260,000	$2,660,000	$710,000	$710,000	$2,450,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

2023 - Increase in GO and Federal/state sources to include the Schroeder Road Flood Mitigation project, which includes $1.5M in federal grant funding. Additional funds were added for the Glenwood Children's Park Arch repair, which is a failing stone arch facade located north of the park but in the leased rail corridoor. Failure of the arch is anticipated if not addressed in the near future.

2024- Increase funding for the Old Sauk Business Park Flood Mitigation efforts. This was only programmed for design and permitting in 2022 CIP however the City recently made a FEMA BRIC application to help with the funding for construction. If the Federal funding is not obtained the project will be on hold until funding is available. Federal grant funds have increased $6,150,000.

2025 - Increase funding for the Old Sauk Business Park Flood Mitigation efforts. This is a second phase of the 2024 project. If Federal funding is not available this project will be delayed.

2026- Many large projects will be moved up or have started construction. No major projects planned in 2026.

2027 - Planning and design will begin for a large flood mitigation projects in 2028.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location
Regional Flood Mitigation- Winnebago/Eastwood	$1,800,000	Eastwood from Riverside to Amoth Ct.
Westside Impact Fee District	$500,000	East end of Silicon Prairie Parkway north to Mineral Point Rd
Regional Flood Mitigation -Schroeder Road Flood Mitigation	$2,000,000	Schroeder Rd from S Gammaon Rd to Struck St
Regional Flood Mitigation - Old Sauk Trails Business Park Flood Mitigation	$150,000	8308 Excelsior Dr, Madison, WI
Local Flood - Richard/Silver St Reconstruction	$800,000	Richard St/Silver Rd
Regional Flood - Glenwood Childrens Park Arch repair	$100,000	Rail Corridor near 598 Glenway St
Unallocated Local Flood Mitigation	$60,000	Various

2024 Projects

Project Name	Est Cost	Location
Regional Flood Mitigation - Marty Farm Pond land acquisition	$1,150,000	Marty Rd at Raymond Rd
Regional Flood Mitigation - Old Sauk Trails Business Park Flood Mitigation	$6,000,000	8308 Excelsior Dr, Madison, WI
Regional Flood Mitigation - West Towne Pond	$1,500,000	6715 Mineral Point Rd, Madison, WI
Regional Flood Mitigation - Lake Mendota Drive Reconstruction	$550,000	Lake Mendota Dr from Spring Harbor to east municipal limits
Local Flood Mitigation - Davidson/Park/Maher Reconstruction	$1,000,000	Davidson/Park/Maher St
Unallocated Local Flood Mitigation	$50,000	Various
Unallocated Backyard Drainage	$10,000	Various

2025 Projects

Project name	Est Cost	Location
Regional Flood Mitigation - Old Sauk Trails Business Park Flood Mitigation	$2,500,000	8308 Excelsior Dr, Madison, WI
Unallocated Regional Flood Mitigation	$100,000	Various
Unallocated Local Flood Mitigation	$50,000	Various
Unallocated Backyard Drainage	$10,000	Various

2026 Projects

Project name	Est Cost	Location
Unallocated Regional Flood Mitigation	$300,000	Various
Unallocated Regional Flood Mitigation property buy out	$350,000	TBD

Project name	Est Cost	Location
Unallocated Local Flood Mitigation	$50,000	Various
Unallocated Backyard Drainage	$10,000	Various

2027 Projects

Project name	Est Cost	Location
Regional Flood Mitigation - Marty Farm Pond	$300,000	Marty Rd at Raymond Rd
Unallocated Regional Flood Mitigation property buy out	$350,000	TBD
Unallocated Local Flood Mitigation	$50,000	Various
Unallocated Backyard Drainage	$10,000	Various

2028 Projects

Project Name	Est Cost	Location
Regional Flood Mitigation - Tree Lane Relief Storm	2,400,000	Highpoint Rd from Tree Lane to Mineral Point Rd
Unallocated Local Flood Mitigation	50,000	Various

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?	○ Yes ○ No
Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?	◉ Yes ○ No
Software (either local or in the cloud)?	◉ Yes ○ No
A new website or changes to an existing sites?	◉ Yes ○ No

For projects/programs requesting new software/hardware:

Have you submitted a Software/Hardware Request form? IT New Software Request Form	○ Yes ◉ No
Have you submitted an IT project request form? IT Project Request Form	○ Yes ◉ No
Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.	○ Yes ◉ No

Changes to existing hardware/ software:

Will any existing software or processes need to be modified to support this project/program or initiative?	○ Yes ◉ No
If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder? Agency Capital Materials	○ Yes ◉ No

Surveillance Technology:

Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) .	○ Yes ◉ No
If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder? Surveillance Budget Request Attachment	○ Yes ◉ No

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?	○ Yes ○ No
Facilities/land maintenance?	◉ Yes ○ No
Vehicle setup or maintenance costs?	◉ Yes ○ No
External management or consulting contracts?	◉ Yes ○ No
How many additional FTE positions required for ongoing operations of this project/program?	0.00

Estimate the project/program annual operating costs by major.

Major	Annual Cost	Description

Major	Annual Cost	Description
		No additional design staff will be required to implement the capital budget. Operational costs for improvements to the storm sewer system should not increase dramatically or add the need for full time staff with this budget, however it should be noted that as the overall system expands with new development and new improvements (many of which are developer initiated), additional employees may be necessary to maintain the system. Most of the projects in the current CIP are replacement or expansion of existing facilities, which already have maintenance required. As the existing facilities are reconstructed a more comprehensive approach to management of the lands will be used for the ponds and greenways. This will include a restoration and maintenance plan that is developed as part of the design. The cost to maintain is higher in the few years after the project is constructed (approximately $13,000 per acre and after the initial 2-3 years it will decrease to approximately $2,200 per acre). The initial installation costs are included in the capital budget. The ongoing maintenance is in operating budget. Some of these maintenance costs will offset the cost for reactive maintenance like repairs, tree or noxious / invasive removals or mowing that are routinely done due to poor land management practices of the past. Some projects may not need or may have limited mowing in the future as prescribed burns and other management practices would take their place as a way to control invasive and noxious vegetation. Improvements to the storm sewer network will help reduce issues with maintenance and cleaning which will eventually lead to less staff or costly contractor repairs, which is normally seen in a system with aging and failing infrastructure. However, as stated above, there will be a tipping point where new development continues to grow, adding new amenities and will outpace the staffing and maintenance that currently exists. Maintenance of the existing storm sewer pipes and existing flood control systems such as ponds and greenways are already covered under the existing operating budget. Upgrading existing storm sewer pipes should not add any significant operating costs. Maintenance of the existing ponds and greenways are already covered under the existing operating budget. If other smaller scale green infrastructure such as city maintained rain gardens, bioretention or high maintenance features are added those will eventually require additional staff or funds to maintain. Engineering is leveraging OFS and volunteers as much as practicable to help find lower cost maintenance solutions. If/when constructed, it is planned that the West Towne Pond and Old Sauk Trails Business Park Ponds will have pumping systems associated with them. These systems will be developed to operate on the existing SCADA network and will have some electrical demands in flood situations however for the majority of the year it will not be necessary to run the pumps. There will be a need for maintenance and upkeep of proposed pumping systems, however those systems would likely not require replacement for 25-30 years. Large design contracts will require the City to hire consultants, however that cost is included in the capital budget estimate.

Notes

Notes:

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2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency	Stormwater Utility	**Proposal Name**	Stormwater Quality Syste
Project Number	11665	**Project Type**	Program
Project Category	Utility	**Priority:**	2
2023 Project Number	14137		

Description

This program is for stormwater quality improvement projects associated with the City's Wisconsin Department of Natural Resources (WDNR)/Environmental Protection Agency (EPA) stormwater discharge permit. The goal of this program is to improve the quality of the stormwater and compliance with environmental guidelines and initiatives. Projects within the program are prioritized annually and include: greenway reconstructions, storm water pond improvements, shoreline restoration, and urban water quality projects. Smaller projects include rain gardens with street reconstruction and dredging. Many stormwater quality projects will be coupled with regional flood mitigation projects and grants will be sought to help leverage additional funding mechanisms.

Does the project/program description require updates? If yes, please include below.

The goal of this program is to improve the quality of the stormwater entering our streams, rivers and lakes. Projects within the program are prioritized annually and include: greenway reconstructions, storm water pond improvements, shoreline restoration, and urban water quality projects. Smaller projects include rain gardens with street reconstruction and dredging. Many stormwater quality projects will be coupled with regional flood mitigation projects and grants will be sought to help leverage additional funding mechanisms. In addition, this program will help us to comply with the City's Wisconsin Department of Natural Resources (WDNR)/Environmental Protection Agency (EPA) stormwater discharge permit.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element:	Green and Resilient
Strategy	Improve lake and stream water uality

Describe how this project/program advances the Citywide Element:

This program directly correlates to the strategy of improved lake and stream water quality. The removal and reduction of Total Phosphorus (TP) and Total Suspended Solids (TSS) will have a direct impact on water quality and will help meet our goals mandated by the Rock River TMDL.

Projects in this program advance two actions identified in Imagine Madison Strategy 3, Green and Resilient.

Action A: The funding requested for dredging, pond reconstruction, and green infrastructure improvements directly reduces phosphorous and other pollutants in compliance with the City's WDNR/EPA stormwater discharge permit. These projects involve partners through Dane County/WDNR grant funding and the Roger Bannerman Rain Garden Initiative program to leverage implementation. Additionally, this program incentivizes rain gardens within the street terrace and on private property through primarily city-funded construction of terrace raingardens for interested homeowners.

Action C: Greenway reconstructions, and shoreline restoration projects identified in this program provide adaptive management strategies that reduce erosion preparing for more intense rain events.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ● Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

The Mendota-Grassman Greenway, Sauk Creek Greenway, and Old Sauk Trails Business Park, West Towne Pond reconstruction projects were recommendations identified in the Strickers-Mendota, Spring Harbor, and Pheasant Branch Watershed studies to increase the city's resilience to increased storm intensity related to climate change. Within the Climate Forward agenda, this program addresses Initiative Four "Investing in stormwater and green infrastructure solutions to improve water quality, reduce urban heat islands and reduce stormwater runoff to lakes." This program advances these initiatives through funding stormwater treatment ponds, greenways, green infrastructure, dredging projects and other water quality best management practices that keep phosphorous and other pollutants from entering downstream waterbodies. This program includes funding for the Mendota-Grassman Greenway and Sauk Creek Greenway which will increase capacity for stormwater drainage and contribute to reducing erosion by stabilizing the banks in these greenways. This program also includes dredging projects - vital to meeting the WDNR MS4 permit requirements - and necessary to ensure that pond depth is maintained necessary to meet water quality requirements for sediment and phosphorus removal. This program addresses many of the mitigation objectives in the Dane County Natural Hazards Mitigation Plan.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ○ Yes ◉ No

For projects/programs that are not specifically focused on maintenance and repair, what specific inequities does this program intend to address? How and for whom?

Projects funded by this program address water quality requirements associated with the City's WDNR/EPA permit. Several of these projects have both water quality and flood storage benefits and have been reviewed for racial equity and social justice impacts as part of the internal watershed study project evaluation mentioned in the Citywide Flood Mitigation Program.

The following projects within this program are located within the 75th percentile of black, indigenous, and communities of color based on U.S. Census American Community Survey (2018): East Towne Pond reconstruction, Old Sauk Trails Business Park pond reconstruction, the Warner Park lagoon dredging, and West Towne Pond reconstruction. Based on the same 2018 ACS data, the following projects within this program are located within the 75% quantile of families below poverty: Bowman Parking Lot stormwater management improvements, the East Towne Pond reconstruction, James Madison Park Shoreline, Olbrich Park parking stormwater management improvements, the West Towne Pond reconstruction, and Willow Creek dredging.

What data helped shape your proposal? Data may include qualitative and quantitative data such as demographic, qualified census tracts, environmental justice areas, specific recommendations from a Racial Equity and Social Justice Analysis, or other sources.

This evaluation uses GIS and U.S. Census Bureau ACS data. Projects in this program that are recommendations from the watershed studies are included in a staff-developed analysis that also evaluates impacts related to community facilities such as schools, childcare and assisted living facilities, and affordable/public housing locations to assist in prioritizing projects.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?   ○ Yes ◉ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ◉ Yes ○ No

If yes, describe how.

The projects programed in the Stormwater Quality System Improvements program both reduce environmental impacts and improve the city's climate resilience. Dredging/reconstruction projects identified in this budget cycle (East Towne Pond, Garner Park, Lower Badger Mill Pond, Old Sauk Trails Business Park Ponds, Sauk Creek Greenway, Warner Park Lagoon, Willow Creek, and West Towne Pond) associated with the City's WDNR/EPA permit improve both improve water quality and increase flood storage during storm events. Shoreline projects in this program (Burr Jones Park, Giddings Park, Hudson Park and James Madison Park, Tenney Park) reduce shoreline erosion and are reconstructed to better accommodate fluctuating water levels related to extreme climate events. Additionally stormwater quality and green infrastructure projects (Bowman Parking Lot, Hawks Landing Sediment Traps, Olbrich Parking Lot) treat stormwater runoff to improve stormwater quality and subsequent downstream waterways.

Budget Information

Prior Appropriation*		2016-2021 Actuals		2022 Budget	
$8,686,257		$2,519,615		$3,025,000	

*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Borrowing - Stormwater	3,044,000	2,092,500	1,408,500	1,305,000	685,000	800,000
Reserves Applied (Stormwater)	366,000	232,500	156,500	145,000	465,000	200,000
State Sources	250,000				3,500,000	1,000,000
Total	$3,660,000	$2,325,000	$1,565,000	$1,450,000	$4,650,000	$2,000,000

If TIF or Impact Fee funding source, which district(s)?

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Stormwater Network	3,660,000	2,325,000	1,565,000	1,450,000	4,650,000	2,000,000
Total	$3,660,000	$2,325,000	$1,565,000	$1,450,000	$4,650,000	$2,000,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

2023 - Added money for Giddings shoreline, Wexford dredge for a grant that was submitted, increased funds for Lower Badger Mill Creek pond to cover wetland mitigation costs and additional funds for Mendota Grassman Greenway based on refined cost estimates.

2024 - Added money for Burr Jones Park shoreline.

2025 - Removed Mendota Spring Harbor Greenway - Regent St setion and added Sauk Creek Greenway Ph 5, Olbrich parking lot and Bowman parking lot stormwater quality improvements.

2026 - Removed Mendota Spring Harbor Greenway - Masthead section and added Sauk Creek Greenway Ph 6 and money for an unallocated pond project.

2027 - Upped City's contribution for Warner Lagoon Dredging, and removed unallocated Pond and Unallocated Dredge.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location
Pond and Greenway - Old Sauk Trails Business Park Flood Mitigation (design and permitting)	$150,000	8308 Excelsior Dr, Madison, WI
Pond - Lower Badger Mill Creek	$1,000,000	1661 Meadow Rd, Madison, WI
Pond - East Towne	$250,000	1801 Zeier Rd, Madison, WI
Dredge - Wexford Pond	$150,000	1005 N High Point Rd, Madison, WI
Dredge - Willow Creek	$335,000	Campus Drive to Lake Mendota
Warner Lagoon Improvements	$300,000	2930 N Sherman Ave, Madison, WI
Shoreline - Burr Jones Park (design and permitting)	$80,000	1820 E Washington Ave, Madison, WI
Greenway - Mendota Grassman	$1,000,000	Old Middleton Rd to Lake Mendota
Shoreline - Giddings Park	$120,000	429 Castle Pl, Madison, WI
Street SWQ	$50,000	Various
Unallocated Rain Garden and DGI	$175,000	Various
SWQ - Hawks Landing BMPs	$50,000	Various in Hawks Landing Subdivision

2024 Projects

Project Name	Est Cost	Location
Pond - West Towne (construction)	$1,500,000	6715 Mineral Point Rd, Madison, WI
Shoreline - Burr Jones (construction)	$240,000	1820 E Washginton Ave, Madison, WI
Dredge- Willow Creek	$335,000	Campus Dr to Lake Mendota
Street SWQ	$100,000	Various
Unallocated Rain Garden and DGI	$75,000	Various
SWQ Hawks Landing BMPs	$75,000	Various in Hawks Landing Subdivision

2025 Projects

Project name	Est Cost	Location
Greenway - Sauk Creek Ph 5	$700,000	Haen Park to Walnut Grove Park
Dredge - Willow Creek	$335,000	Campus Dr to Lake Mendota
SWQ - Olbrich Park Parking Lot	$50,000	3401 Atwood Ave, Madison, WI

Project name	Est Cost	Location
SWQ - Bowman Park Parking Lot	$80,000	1775 Fish Hatchery Rd, Madison, WI
SWQ Street	$75,000	Various
Unallocated Rain Garden and DGI	$75,000	Various
Unallocated Dredge	$250,000	Various

2026 Projects

Project name	Est Cost	Location
Greenway - Sauk Creek Ph 6	$800,000	7713 Old Sauk Rd, Madison, WI
Street SWQ	$75,000	Various
Unallocated Rain Garden and DGI	$75,000	Various
Unallocated Pond	$500,000	Various

2027 Projects

Project name	Est Cost	Location
Dredge - Warner Park Lagoon	$4,000,000	2930 N Sherman Ave, Madison, WI
Dredge - Garner Park	$500,000	5351 South Hill Dr, Madison, WI
Street SWQ	$75,000	Various
Unallocated Rain Garden and DGI	$75,000	Various

2028 Projects

Project Name	Est Cost	Location
Shoreline - Hudson Park	1,100,000	2919 Lakeland Ave, Madison, WI
Shoreline - James Madison Park	750,000	728 E Gorham St, Madison, WI
Street SWQ	75,000	Various
Unallocated Rain Garden and DGI	75,000	Various

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?	◯ Yes ◯ No
Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?	◯ Yes ◉ No
Software (either local or in the cloud)?	◯ Yes ◉ No
A new website or changes to an existing sites?	◯ Yes ◉ No

For projects/programs requesting new software/hardware:

Have you submitted a Software/Hardware Request form? IT New Software Request Form	◯ Yes ◉ No
Have you submitted an IT project request form? IT Project Request Form	◯ Yes ◉ No
Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.	◯ Yes ◉ No

Changes to existing hardware/ software:

Will any existing software or processes need to be modified to support this project/program or initiative?	◯ Yes ◉ No

If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder?		○ Yes ◉ No
Agency Capital Materials		

Surveillance Technology:

Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) .		○ Yes ◉ No
If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder?		○ Yes ◉ No
Surveillance Budget Request Attachment		

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?	○ Yes ○ No
Facilities/land maintenance?	◉ Yes ○ No
Vehicle setup or maintenance costs?	◉ Yes ○ No
External management or consulting contracts?	◉ Yes ○ No
How many additional FTE positions required for ongoing operations of this project/program?	0.00

Estimate the project/program annual operating costs by major.

Major	Annual Cost	Description
		No additional design staff will be required to implement the capital budget.
		Operational costs for improvements to the storm sewer system should not increase dramatically or add the need for full time staff with this budget, however it should be noted that as the overall system expands with new development and new improvements (many of which are developer initiated), additional employees may be necessary to maintain the system. Most of the projects in the current CIP are replacement or expansion of existing facilities, which already have maintenance required. As the existing facilities are reconstructed a more comprehensive approach to management of the lands will be used for the ponds and greenways. This will include a restoration and maintenance plan that is developed as part of the design. The cost to maintain is higher in the few years after the project is constructed (approximately $13,000 per acre and after the initial 2-3 years it will decrease to approximately $2,200 per acre). The initial installation costs are included in the capital budget. The ongoing maintenance is in operating budget. Some of these maintenance costs will offset the cost for reactive maintenance like repairs, tree or noxious / invasive removals or mowing that are routinely done due to poor land management practices of the past. Some projects may not need or may have limited mowing in the future as prescribed burns and other management practices would take their place as a way to control invasive and noxious vegetation. Improvements to the storm sewer network will help reduce issues with maintenance and cleaning which will eventually lead to less staff or costly contractor repairs, which is normally seen in a system with aging and failing infrastructure. However, as stated above, there will be a tipping point where new development continues to grow, adding new amenities and will outpace the staffing and maintenance that currently exists.
		Maintenance of the existing ponds and greenways are already covered under the existing operating budget. If other smaller scale green infrastructure such as city maintained rain gardens, bioretention or high maintenance features are added those will eventually require additional staff or funds to maintain. Engineering is leveraging OFS and volunteers as much as practicable to help find lower cost maintenance solutions.
		If/when constructed, it is planned that the West Towne Pond and Old Sauk Trails Business Park Ponds will have pumping systems associated with them. These systems will be developed to operate on the existing SCADA network and will have some electrical demands in flood situations however for the majority of the year it will not be necessary to run the pumps. There will be a need for maintenance and upkeep of proposed pumping systems, however those systems would likely not require replacement for 25-30 years.
		Large design contracts will require the City to hire consultants, however that cost is included in the capital budget estimate.

Notes

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2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency	Stormwater Utility	**Proposal Name**	Storm Sewer System Imp
Project Number	11664	**Project Type**	Program
Project Category	Utility	**Priority:**	3
2023 Project Number	14138		

Description

This program is for improvements to the storm sewer network. The goal of this program is to ensure a reliable storm sewer system for City residents. Projects planned in 2022 include cured in place piping (CIPP) and the annual waterway improvement projects, which consist of various low cost improvements to enhance the stormwater network that will be constructed by operations staff.

Does the project/program description require updates? If yes, please include below.

This program is for improvements to the storm sewer network. The goal of this program is to ensure a reliable storm sewer system for City residents. Projects planned in 2023 include cured in place piping (CIPP) and the annual waterway improvement projects, which consist of various low cost improvements to enhance the stormwater network that will be constructed by operations staff.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element: Effective Government

Strategy Ensure all neighborhoods are clean and safe through the provision of quality non-emergency services.

Describe how this project/program advances the Citywide Element:

The goal is to improve and replace components of aging and failing storm sewer system. This can be done with a full replacement or with preventative maintenance such as pipe lining to prolong the life of the infrastructure.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ◉ Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

This program sets money aside as projects and repairs arise to make repairs quickly if the project was not identified in the budget. This addresses several of the mitigation objectives in the Dane County Natural Hazard Mitigation Plan, which specifically address projected impacts of climate trends to build a more resilient community.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ○ Yes ◉ No

For projects/programs that are not specifically focused on maintenance and repair, what specific inequities does this program intend to address? How and for whom?

Projects in this program include funding set aside for projects and repairs not previously identified in the budget. They contribute to ensuring a reliable storm sewer system for residents.

What data helped shape your proposal? Data may include qualitative and quantitative data such as demographic, qualified census tracts, environmental justice areas, specific recommendations from a Racial Equity and Social Justice Analysis, or other sources.

This is a citywide program which does not address specific inequities.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?

◯ Yes ◉ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ◉ Yes ○ No

If yes, describe how.

This program includes low cost improvements to the storm sewer network to reduce shoreline erosion, improve stormwater quality, and flood storage capacity. These projects contribute to climate resiliency as well as reducing the environmental impact by improving water quality.

Budget Information

Prior Appropriation* $859,477   **2016-2021 Actuals** $866,016   **2022 Budget** $232,000
*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Reserves Applied (Stormwater)	210,000	270,000	210,000	210,000	210,000	210,000
Total	$210,000	$270,000	$210,000	$210,000	$210,000	$210,000

If TIF or Impact Fee funding source, which district(s)?   NA

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Stormwater Network	210,000	270,000	210,000	210,000	210,000	210,000
Total	$210,000	$270,000	$210,000	$210,000	$210,000	$210,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

Funding was increased to be able to perform more work with Engineering Operations vs hiring contractors to perform work. In general, costs of materials has increased.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	$10,000	Various
Citywide Stormwater Improvements (Waterways)	$200,000	Various

2024 Projects

Project Name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	$10,000	Various
Citywide Stormwater Improvements (Waterways)	$190,000	Various
Burrows Park Stormwater improvements	$70,000	25 Burrows Rd, Madison, WI

2025 Projects

Project name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	$10,000	Various
Citywide Stormwater Improvements (Waterways)	$200,000	Various

2026 Projects

Project name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	$10,000	Various

Project name	Est Cost	Location
Citywide Stormwater Improvements (Waterways)	$200,000	Various

2027 Projects

Project name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	$10,000	Various
Citywide Stormwater Improvements (Waterways)	$200,000	Various

2028 Projects

Project Name	Est Cost	Location
Cure in Place Pipe Lining (CIPP)	10,000	Various
Citywide Stormwater Improvements (Waterways)	200,000	Various

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources? ○ Yes ○ No

    Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.? ○ Yes ◉ No

    Software (either local or in the cloud)? ○ Yes ◉ No

    A new website or changes to an existing sites? ○ Yes ◉ No

For projects/programs requesting new software/hardware:

    Have you submitted a Software/Hardware Request form? ○ Yes ◉ No
IT New Software Request Form

    Have you submitted an IT project request form? ○ Yes ◉ No
IT Project Request Form

    Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder. ○ Yes ◉ No

Changes to existing hardware/ software:

    Will any existing software or processes need to be modified to support this project/program or initiative? ○ Yes ◉ No

    If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder? ○ Yes ◉ No
Agency Capital Materials

Surveillance Technology:

    Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in MGO Sec. 23.63(2) . ○ Yes ◉ No

    If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder? ○ Yes ◉ No
Surveillance Budget Request Attachment

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following? ○ Yes ○ No

    Facilities/land maintenance? ◉ Yes ○ No

    Vehicle setup or maintenance costs? ○ Yes ◉ No

    External management or consulting contracts? ○ Yes ◉ No

    How many additional FTE positions required for ongoing operations of this project/program? 0.00

Estimate the project/program annual operating costs by major.

Major	Annual Cost	Description
		At this time there are no anticipated employee or staffing needs to maintain this program at the current funding level, however it should be noted that as the storm sewer system continues to grow needs for staff and non-staff costs will also continue to rise. However, doing small upgrades as part of the preventative maintenance portion of this program will be beneficial to keeping those needs at a minimum. Improvements to the storm sewer network will help reduce issues with maintenance and cleaning, which will eventually lead to less staff time or cost for repairs which is normally seen in a system with aging and failing infrastructure. However, as stated above, there will be a tipping point where the city's facilities will continue to grow and will outpace the staffing and maintenance costs that we currently have.

Notes

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2023 Capital Improvement Plan
Program Budget Proposal

Identifying Information

Agency   Stormwater Utility   **Proposal Name**   Street Cleaning Equipmer

Project Number   10554   **Project Type**   Program

Project Category   Other   **Priority:**   4

2023 Project Number   14139

Description

This program is for replacing existing street sweeping machines operated by the Streets Division. The City's street sweeping equipment life cycle is five years with interim maintenance. The goal of this program is to reduce the discharge of pollutants and solids to the lakes by removing material from the streets surface before it is mixed with storm water runoff. Funding in 2022 will be used to replace two mechanical street cleaning vehicles with one new mechanical sweeper and one new vacuum sweeper.

Does the project/program description require updates? If yes, please include below.

This program is for replacing existing street sweeping machines operated by the Streets Division. The City's street sweeping equipment life cycle is five years with interim maintenance. The goal of this program is to reduce the discharge of pollutants and suspended solids to the lakes by removing material from the streets surface before it is mixed with storm water runoff. Funding in 2023 will be used to replace one vacuum sweeper and replace 3 toolcat dustbins. Funding in 2024-2026 include replacement of 2 mechanical sweepers per year. Funding in 2027 includes replacement of 1 vaccum sweeper and 1 mechanical sweeper. Funding in 2028 includes replacement of 1 vacuum sweeper.

Alignment with Strategic Plans and Citywide Priorities

Citywide Element: Green and Resilient

Strategy   Improve lake and stream water uality

Describe how this project/program advances the Citywide Element:

The City attempts to sweep all areas in the City on a 24-day cycle and downtown areas that drain directly to the lakes or rivers on weekly schedules during the spring, summer and fall months. Additionally, street sweepers are deployed immediately (within a 24 hour period) after leaf collection. Sweeping reduces the Total Suspended Solids (TSS) and Total Phosphorus (TP) that enters the storm sewer system and making it's way to the lakes and other water bodies.

Other Strategic Plans:

Does the project/program advance goals in a Citywide agenda or strategic plan other than Imagine Madison (e.g. Climate Forward, Housing Forward, Metro Forward, Vision Zero)?   ⦿ Yes ○ No

If yes, specify which plan(s) the project/program would advance and describe how the project/program will help the City meet its strategic goals.

Within the Climate Forward agenda, this program addresses Initiative Four "Investing in stormwater and green infrastructure solutions to improve water quality, reduce urban heat islands and reduce stormwater runoff to lakes." This program also advances Imagine Madison Green and Resilient, Strategy 3, Action A. The storm sewer network is part of the connected stormwater management system is required to meet permit requirements for water quality to "keep phosphorous and other pollutants out of the lakes."

Street sweeping has an immediate and direct impact on reduction of pollutant loading to our impaired waters and helps remove TSS and TP from our ponds, rivers and lakes. The reduction of phosphorous and other pollutants is also in compliance with the City's WDNR/EPA stormwater discharge permit and helps offset out contribution to YAHARA WINS.

Racial Equity and Social Justice

We are continuing our efforts to articulate and prioritize racial equity and social justice in the City's budget and operations. Please respond to the following questions and incorporate these responses into your budget narrative to ensure racial equity is included in decision-making.

Is the proposed project/program primarily focused on maintenance or repair?   ⦿ Yes ○ No

Describe how routine maintenance and/or scheduled repair considers equity and quality of life for residents. Describe how you use an equity lens to prioritize maintenance and/or repair projects.

This is a citywide program that does not specifically address inequities.

Is the proposed budget or budget change related to a recommendation from a Neighborhood Resource Team (NRT)?

○ Yes ⦿ No

Climate Resilience and Sustainability

Does this project/program improve the city's climate resilience or sustainability by addressing climate change impacts, reducing GHG emissions, improving energy efficiency, growing a climate-friendly economy, or reducing the environmental impact of city assets or operations?   ⦿ Yes ○ No

If yes, describe how.

Addressing pollutant loading prior to it reaching the receiving waters will provide more efficiencies rather than treating water that is laden with TSS and TP, thus saving money for a more effective treatment measure.

Budget Information

Prior Appropriation*	$951,356	**2016-2021 Actuals**	$893,682	**2022 Budget**	$533,000

*Based on Fiscal Years 2016-2021

Budget by Funding Source

Funding Source	2023	2024	2025	2026	2027	2028
Reserves Applied (Stormwater)	393,000	503,000	576,000	616,000	816,000	520,000
Total	$393,000	$503,000	$576,000	$616,000	$816,000	$520,000

If TIF or Impact Fee funding source, which district(s)?

Budget by Expenditure Type

Expense Type	2023	2024	2025	2026	2027	2028
Machinery and Equipment	393,000	503,000	576,000	616,000	816,000	520,000
Total	$393,000	$503,000	$576,000	$616,000	$816,000	$520,000

Explain any changes from the 2022 CIP in the proposed funding for this project/program.

Changes include adding toolcat dustbins to allow for more effective cleaning of gutters and bikepaths. These are included on a 7-yr replacement cycle.

The City has applied for a grant for a vacuum sweeper in 2023.

Increased costs due to supply chain issues have driven the program cost up. A 7% annual increase is included in the estimates based off of 2022 quotes.

Project Schedule & Location

2023 Projects

Project Name	Est Cost	Location
Street Cleaning Equipment	$393,000	Citywide

2024 Projects

Project Name	Est Cost	Location
Street Cleaning Equipment	$503,000	Citywide

2025 Projects

Project name	Est Cost	Location
Street Cleaning Equipment	$576,000	Citywide

2026 Projects

Project name	Est Cost	Location
Street Cleaning Equipment	$616,000	Citywide

2027 Projects

Project name	Est Cost	Location
Street Cleaning Equipment	$816,000	Citywide

2028 Projects

Project Name	Est Cost	Location

Project Name	Est Cost	Location
Street Cleaning Equipment	520,000	Citywide

Operating Costs

Projects/Programs with a technological component will be required to follow City of Madison information technology policies and procedures for software/hardware acquisition and project support by IT staff. Answer the following questions below and upload relevant supplemental materials to your agency's SharePoint folder.

Over the next six years, will the project/program require any of the following IT resources?	○ Yes ○ No
Electronic hardware that will be connected to a City device in any manner, including wireless, bluetooth, NFC, etc.?	○ Yes ◉ No
Software (either local or in the cloud)?	○ Yes ◉ No
A new website or changes to an existing sites?	○ Yes ◉ No

For projects/programs requesting new software/hardware:

Have you submitted a Software/Hardware Request form? IT New Software Request Form	○ Yes ◉ No
Have you submitted an IT project request form? IT Project Request Form	○ Yes ◉ No
Have you worked with IT to complete an IT Budget Analysis form? If yes, please upload your agency's capital SharePoint folder.	○ Yes ◉ No

Changes to existing hardware/ software:

Will any existing software or processes need to be modified to support this project/program or initiative?	○ Yes ◉ No
If yes, have you uploaded a plan for incorporating those changes to your agency's capital SharePoint folder? Agency Capital Materials	○ Yes ◉ No

Surveillance Technology:

Do you believe any of the hardware or software to be considered surveillance technology? Surveillance technology is defined in **MGO Sec. 23.63(2)** .	○ Yes ◉ No
If yes, have you submitted the surveillance request form to your agency's capital SharePoint folder? Surveillance Budget Request Attachment	○ Yes ◉ No

Other Operating Costs

In addition to IT costs, projects/programs may have other operational impacts. Over the next six years, will the project/program require any of the following?	○ Yes ○ No
Facilities/land maintenance?	◉ Yes ○ No
Vehicle setup or maintenance costs?	◉ Yes ○ No
External management or consulting contracts?	○ Yes ◉ No
How many additional FTE positions required for ongoing operations of this project/program?	0.00

Estimate the project/program annual operating costs by major.

Major	Annual Cost	Description
	0	No additional staffing will be required to continue this program as this is just a replacement of existing equipment. Last year the Stormwater Utility cost was $2,342,803.05 for the sweeping service. This breaks down into $1,658,444.57 for salary and fringe and $684,358.487 for other costs. No additional non-personnel costs are anticipated. These costs are absorbed in the existing operating budget.

Notes

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