Capital Improvement Plan

	2021 Adopted	2022 Request	Change
2022 Capital Budget	13,899,000	7,900,000	(5,999,000)
2022 Capital Improvement Plan	24,888,000	35,951,000	11,063,000
	2021 Adopted	2022 Request	
Number of Projects	4	4	

Project Summary: Agency Request

	2022	2023	2024	2025	2026	2027
Citywide Flood Mitigation	4,090,000	1,760,000	3,310,000	990,000	1,310,000	2,760,000
Storm Sewer System Improvements	232,000	210,000	190,000	195,000	195,000	210,000
Stormwater Quality System Improvements	3,045,000	985,000	2,125,000	3,285,000	3,155,000	5,075,000
Street Cleaning Equipment - Streets	533,000	300,000	470,000	470,000	493,000	563,000
Total	7,900,000	3,255,000	6,095,000	4,940,000	5,153,000	8,608,000



Major Changes/Decision Points

- Citywide Flood Mitigation
 - Program budget decreased \$3.8m from 2022-2026 to reflect moving TIF funding for project to the Engineering Major Streets Pavement Management
 Program as well as addition of several new projects
 - Funding source changed to include \$2.0m in state sources in 2022 and 2024
- Storm Sewer Improvements
 - Program budget decreased \$18k from 2022-2026
 - Funding source changed to only Reserves Applied
- Stormwater Quality System Improvements
 - Program budget increased \$6.2m from 2022-2026 to include projects related to Citywide Flood Mitigation, including West Towne Pond and Pheasant
 Branch/Old Sauk Trails Business Park Pond
 - Funding source changed to include \$ \$7.5m in State Sources
- Street Cleaning Equipment Streets
 - Program budget increased \$68k in 2022



Department of Public Works **Engineering Division** Robert F. Phillips, P.E., City Engineer

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Facilities & Sustainability Bryan Cooper, Principal Architect

Mapping Section Manager Eric T. Pederson, P.S.

> Financial Manager Steven B. Danner-Rivers

To: Dave Schmiedicke, Finance Director

From: Robert F Phillips, P.E., City Engineer

Date: May 25, 2021

Subject: Stormwater Utility 2022 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 City's flood mitigation goals will be a challenge given the number of projects and the available funds. There are approximately 6 large projects in the 2022-2027 CIP that would require approximately \$9.5M in grants or other funding sources in order to move them to construction. The Stormwater Utility is currently soliciting consultants to propose on an RFP to help identify and secure the grant and 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 ^{2022 Capi}#bodffig in 2018 when major steps^{Aggerge}Ftakes^{is}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.
- 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 2020 Capital Improvement Plan

For the 2022 Capital Budget we have basically kept programs to existing levels of funding. One major exception is the increased amount of outside funding, such as grants that are being identified in order to move projects to construction. If grant funding is not available those projects 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.

Citywide Flood Mitigation

Moved TIF funds for the Riverside/Winnebago/Atwood/Eastwood project from this program to the Pavement Management program under Major Streets because it is associated with a street project. 2022 Capital Budget

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- Blackhawk Pond Outlet Structure, Pheasant Branch/Old Sauk Trails Business Park Pond and West Towne Pond projects were not identified as a minor project. Grants are being sought for these projects, which will be required to move the projects forward to construction.
- The Westside Drainage Improvement Impact Fee District (Mineral Point Road project) utilizing Impact Fee funds is moving forward.
- A Flood Grant Program is being considered to start in 2023 that would assist with property purchase and or provide grants to help property owners make repairs to their own properties to have solve flooding issues.

Stormwater Quality

- Feasibility studies were added for the Isthmus/Yahara River and Hudson Park projects.
- A garage or storage building is being proposed for storage and wild flower seed processing for the vegetative management and ecological staff.
- Warner Lagoon Dredging was identified as the highest priority in the Warner Lagoon Plan however grant funding will be necessary to move the projects forward to construction.
- Willow Creek Dredging was added and would be a joint project with UW-Madison, Dane County and the City of Madison to dredge accumulated sediment and restore the creek as this is a major outfall to Lake Mendota.

Storm Sewer System Improvements

• No major changes were made

Street Cleaning Equipment – Streets

• A vacuum sweeper will substitute for one mechanical sweeper for replacement on a 5year cycle. This will allow for 2 vacuum sweepers – one on each side of the City for more efficiency.

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.

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Impact of COVID-19 on Capital Funding

The Stormwater Utility budget only had minor impact by COVID-19. Most projects proposed for 2021 are on track to be completed as planned in the budget, while a few have been slowed due to some lost efficiencies and staff vacancies. There are no major projects that are not anticipated to move forward in 2021, though some have been delayed several months.

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

Submitted

2022 Capital Improvement Plan **Program Budget Proposal**

Identifying Information

Agency	Stormwater Utility	Proposal Name	Citywide Flood Mitigatior
Project Number	11513	Project Type	Program
Project Category	Utility	Priority:	1
2022 Project Number	13602		

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, Mendota Grassman Greenway construction and the Blackhawk Pond Outlet Retrofit (which was sumitted for Community and Member Designated Project Request). This program also supports design of pond improvements and flood mitigation installations that are scheduled with street reconstruction projects.

Budget Information

Prior Appropriation*	\$17,304,396 Prior Year Actual	\$14,419,683
*Based on Fiscal Years 2015-2020		

Budget by Funding Source

Funding Source	2022	2023	2024	2025	2026	2027
Non-GF GO Borrowing - Stormwater	2,067,500	990,000	882,500	742,500	982,500	2,070,000
Impact Fees		330,000	600,000			
Reserves Applied - Stormwater	1,022,500	440,000	827,500	247,500	327,500	690,000
State Sources	1,000,000		1,000,000			
Total	\$4,090,000	\$1,760,000	\$3,310,000	\$990,000	\$1,310,000	\$2,760,000

Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Stormwater Network	4,090,000	1,760,000	3,310,000	990,000	1,310,000	2,760,000
Total	\$4,090,000	\$1,760,000	\$3,310,000	\$990,000	\$1,310,000	\$2,760,000

Explain any changes from the 2021 CIP in the proposed funding for this program.

Major changes that appear in this submittal compared to last year include moving TIF Funds to the Pavement Management program under Major Streets for the Eastwood/Atwood project, and additional grant funding that is anticipated for the Blackhawk Pond Outlet Structure project, which was not included in last year's submittal; if grant funding is not available that project will be delayed. An additional project requiring the use of Impact Fees was also added for 2022. Additional funding for large construction projects for regional flooding were added.

Priority & Justification

Citywide Element Effective Government Strategy

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

Describe how this project 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.

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.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

There does not appear to be a direct correlation between flood prone areas in Madison and areas of BIPOC, low income or marginalized populations from our initial review of portions of the west side. As more watershed study results become available we will continue to review the flood prone areas against our demographic information. However in some instances it does become very clear that people with more means than others tend to have their concerns heard or are able to better leverage their voices to demand attention to their specific concerns. People with more means also have more opportunities to remedy flooding or potentially relocate to other areas than those that may not have as many choices due to financial limitations. A comprehensive public engagement and educational plan was developed using the RESJ tools for large scale flood studies that was intentional to make sure voices were heard and people were engaged throughout the process. This budget looked closely at these populations and developed a tool for equitably selecting and creating budgeting priorities that help reduce these biases.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	Planning, Fire, Emergency Management, USGS, along with Alders and engaged citizen groups such as CLA and other Friends Groups.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	Yes, we have been working on getting feedback and comments for our program. Engineering also recently launched a citywide survey related to budgeting priorities that was very intentional to get feedback as it relates to equity. We have hosted many large scale watershed public meetings that help inform residents and property owners of the status of our work. We post our projects to the website and have a specific site for flood initiatives, which is routinely updated. We are begining to roll out project solutions that will describe our plans for making improvements and will eventually post mapping of our study findings that can be used as a tool for residents to better understand the flooding impacts within the city. We also have created a specific reporting tool for residents to report flooding so we can better understand the issues and help pinpoint areas that would benefit from improvements to the storm sewer system.
How will we continue to communicate with them in this process?	We will continue to keep our websites updated with findings and project status along with continued outreach to help better educate residents and property owners on how to protect themselves against flooding, including best management practices for flood proofing their property and residences.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	 Yes No Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.



Project Schedule & Location

2022 Proiects

Project Name	Est Cost	Location
Regional Flood Mitigation - Hickory Hollow Greenway - Construction	\$1,000,000	5825 University Ave, 5899 Taychopera Rd, and 1842 Camelot Dr, Madison, WI
Regional Flood Mitigation - Hawks Landing North Pond - Construction	\$1,680,000	3394 Sugar Maple Lane, Verona, WI
Regional Flood Mitigation - West Towne Pond (design and permits)	\$150,000	6715 Mineral Point Rd, Madison, WI
Regional Flood Mitigation - Blackhawk Pond Outlet	\$1,000,000	9306 Old Sauk Rd, Madison, WI
Regional Flood Mitigation - Isthmus / Yahara River Dredge - Feasibility Study	\$250,000	Yahara River from Tenney Locks to Lake Mendota
Backyard Drainage - unallocated	\$10,000	Citywide TBD

Explain the justification for selecting projects planned for 2022:

Hickory Hollow Greenway and Hawks Landing North Pond are in the design development phases and have been phased over multiple years. These projects will have land acquistion needs (easements and purchase) and will be bid in 2022. West Towne Pond is a major flood mitigation project in the Spring Harbor watershed that would have high benefits for the commercial properties on Odana Road that had major damage in the 2018 floods. This project will be designed and will have construction planned for 2024 if/when grant funds are secured. These projects will have additional funding from the Stormwater Quality Program because they will also provide water quality benefits.

The Isthmus / Yahara River has been identified for dredging to help potentially lower lake levels in conjunction with the major dredging the County is performing in the Yahara River chain. Due to the urban nature of the river and the complexities with access, utilities, the railroad and the locks, a feasibility study is planned to determine the best means and methods for performing the work along with identifying issues with construction, including major transmission lines that are located beneath the river. This study will also provide astimates of probable costs and benefits associated with the proposed work. 7

The Blackhawk Pond Outlet Project is a regional flood mitigation project that will rely on grant funding for design and construction. This will help meet the City's flood mitigation goals in the Pheasant Branch Watershed.

Backyard Drainage funds are used for projects that come up during the year that can address samller scale flood mitigation efforts.

Project Name	Est Cost	Location
Regional Flood Mitigation - West Side Impact Fee	\$500,000	East end of Silicon Prairie Parkway north to Mineral Point Rd
Regional Flood Mitigation - Pheasant Branch/Old Sauk Trails Business Park Pond (design and permits)	\$150,000	8308 Excelsior Dr, Madison, WI
Regional Flood Mitigation - Richard/Silver	\$500,000	Richard St/Silver Rd, Madison, WI
Local Flood Mitigation - Maher/Major/Drexel/Monona Ct	\$300,000	Maher/Major/Drexel/Monona Ct, Madison, WI
Backyard Drainage Unallocated	\$10,000	Citywide TBD
Local Drainage Unallocated	\$50,000	Citywide TBD
Flood Grant Program	\$250,000	Citywide TBD

Explain the justification for selecting projects planned for 2023:

The West Side Impact Fee district was developed in conjunction with the Cardinal Glenn and Two Points Crossing subdivision. This project will serve a regional need to provide additional storm conveyance.

The Regional Flood Mitigation - Pheasant Branch/Old Sauk Trails Business Park Pond project will be designed and will have construction planned for a future year if/when grant funds are secured. These projects will have additional funding from the Stormwater Quality Program because they will also provide water quality benefits.

Richard/Silver and Maher/Major/Drexel/Monona Ct are projects in the Major Streets Budget that will have flood mitigation components associated with them where the Citywide Flood Mitigation program will help fund the additional costs to upgrade the storm sewer for more regional and local flood mitigation.

Backyard and Local Flood mitigation funds are used for projects that come up during the year that can address samller scale flood mitigation efforts.

The Flood Grant Program is a new initiative that has been identified as a need through our Citywide Watershed studies. This program will be developed to assist with the purchase of properties in flood prone areas or with providing grants to help property owners make repairs on their own properties to help solve flooding issues where the cost to protect their own property would have a better benefit to cost ratio than a conventional public works solution. **2024 Projects**

Project name	Est Cost	Location
Regional Flood Mitigation - Mary Farm Acquisition	\$1,000,000	Marty Rd at Raymond Road
Regional Flood Mitigation - West Towne Pond - Construction	\$2,000,000	6715 Mineral Point Rd, Madison, WI
Backyard Drainage Unallocated	\$10,000	Citywide TBD
Local Drainage Unallocated	\$50,000	Citywide TBD
Flood Grant Program	\$250,000	Citywide TBD

Explain the justification for selecting projects planned for 2024:

The Marty Farm property has long beeen identified as a regional stormwater location and for park purposes, as noted in the neighborhood development plan. The property has had development proposals within the last several years and the City will be to a point where purchase of the lands will be necessary to meet regional flood needs. Construction of the facilities is tentatively planned for 2027.

West Towne Pond is a project that is being designed in 2022 awaiting grant funding for construction.

Backyard and Local Flood mitigation funds are used for projects that come up during the year that can address samller scale flood mitigation efforts.

The Flood Grant Program is a new initiative that has been identified as a need through our Citywide Watershed studies. This program will be developed to assist with the purchase of properties in flood prone areas or with providing grants to help property owners make repairs on their own properties to help solve flooding issues where the cost to protect their own property would have a better benefit to cost ratio than a conventional public works solution. **2025 Projects**

	Project name	Est Cost	Location
Local Flo	ood Mitigation - Dawes/Lansing/Leon	\$580,000	Dawes/Lansing/Leon St, Madison, WI

Project name	Est Cost	Location
Backyard Drainage Unallocated	\$10,000	Citywide TBD
Local Drainage Unallocated	\$50,000	Citywide TBD
Regional Flood Mitigation Unallocated	\$100,000	Citywide TBD
Flood Grant Program	\$250,000	Citywide TBD

Explain the justification for selecting projects planned for 2025:

Dawes/Lansing/Leon is a project in the Major Streets Budget that will have flood mitigation components associated with them where the Citywide Flood Mitigation program will help fund the additional costs to upgrade the storm sewer for local flood mitigation.

Backyard and Local Flood mitigation funds are used for projects that come up during the year that can address samller scale flood mitigation efforts.

Regional Flood Mitigation has unallocated funds for projects that will be identified in the city's large scale watershed study inititatives.

The Flood Grant Program is a new initiative that has been identified as a need through our Citywide Watershed studies. This program will be developed to assist with the purchase of properties in flood prone areas or with providing grants to help property owners make repairs on their own properties to help solve flooding issues where the cost to protect their own property would have a better benefit to cost ratio than a conventional public works solution. 2026 Projects

Project name	Est Cost	Location
Regional Flood Mitigation - Norman Way/Wood Cir	\$800,000	Norman Way/Wood Cir, Madison, WI
Backyard Drainage Unallocated	\$10,000	Citywide TBD
Local Drainage Unallocated	\$50,000	Citywide TBD
Regional Flood Mitigation Unallocated	\$200,000	Citywide TBD
Flood Grant Program	\$250,000	Citywide TBD

Explain the justification for selecting projects planned for 2026:

Norman Way/Wood Cir is a project in the Major Streets Budget that will have flood mitigation components associated with them where the Citywide Flood Mitigation program will help fund the additional costs to upgrade the storm sewer for regional flood mitigation.

Backyard and Local Flood mitigation funds are used for projects that come up during the year that can address samller scale flood mitigation efforts.

Regional Flood Mitigation has unallocated funds for projects that will be identified in the city's large scale watershed study inititatives.

The Flood Grant Program is a new initiative that has been identified as a need through our Citywide Watershed studies. This program will be developed to assist with the purchase of properties in flood prone areas or with providing grants to help property owners make repairs on their own properties to help solve flooding issues where the cost to protect their own property would have a better benefit to cost ratio than a conventional public works solution.

2027 Projects

Project Name	Est Cost	Location
Regional Flood Mitigation - Marty Farm Pond - Construction	1,600,000	Marty Rd at Raymond Road, Madison, WI
Regional Flood Mitigation - Lake Mendota Drive (west)	400,000	Lake Mendota Drive from Baker Ave to Norman Way, Madison, WI
Backyard Drainage Unallocated	10,000	Citywide TBD
Local Drainage Unallocated	50,000	Citywide TBD
Regional Flood Mitigation Unallocated	450,000	Citywide TBD
Flood Grant Program	250,000	Citywide TBD

Explain the justification for selecting projects planned for 2027:

Marty Farm Pond lands are planned for acquisition in 2024 and will be designed and constructed in conjunction with development proposals associated with this area.

Backyard and Local Flood mitigation funds are used for projects that come up during the year that can address smaller scale flood mitigation efforts.

Regional Flood Mitigation has unallocated funds for projects that will be identified in the city's large scale watershed study initiatives.

The Flood Grant Program is a new initiative that has been identified as a need through our Citywide Watershed studies. This program will be developed to assist with the purchase of properties in flood prone areas or with providing grants to help property owners make repairs on their own properties to help solve flooding issues where the cost to protect their own property would have a better benefit to cost ratio than a conventional public works solution.

Operating Costs

What are the estimated annual operating costs associated with the projects planned within this program?

Personnel

# of FTEs	Annual Cost	Description
		Operational costs for improvements to the storm sewer system should not increase 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, additional employees may be necessary to maintain the system. Many of the anticipated improvements will be upgrades to the existing stormwater network or improvements or additions to existing detention, retention, greenways or other control systems.
		If/when constructed, it is planned that the Wexford Pond and West Towne Pond 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.

Non-Personnel

Major	Amount	Description
		Maintenance of the existing storm sewer 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. If any additional green infrastructure such as ponds and greenways are added those costs for mowing and general maintenance of the facilities will be absorbed into the existing operating budget. 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.
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	Sub	mitted

2022 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
2022 Project Number	13603		

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.

Budget Information

Prior Appropriation*	\$1,165,701 Prior Year Actual	\$819,815
*Based on Fiscal Years 2015-2020		

Budget by Funding Source

Funding Source	2022	2023	2024	2025	2026	2027
Reserves Applied - Stormwater	232,000	210,000	190,000	195,000	195,000	210,000
Т	stal \$232,000	\$210,000	\$190,000	\$195,000	\$195,000	\$210,000

Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Stormwater Network	232,000	210,000	190,000	195,000	195,000	210,000
Tota	al \$232,000	\$210,000	\$190,000	\$195,000	\$195,000	\$210,000

Explain any changes from the 2021 CIP in the proposed funding for this program.

Burrows Park storm sewer improvements was added into 2024 as a small stand alone project. The totals for the entire CIP are similar to the 2021 submittal. There are no significant changes.

Priority & Justification

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

Describe how this project 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.

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.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

This is a citywide program that completes routine maintenance repairs or preventative maintenance for the storm sewer system. Since this is a citywide program there are no perceived effects on BIPOC, low income or otherwise marginalized people.

What City agencies or community partners are affected by, care about or already working on issues related to this project/program?	Generally this program fixes minor issues that come up during the year that are not planned: failures that need repairs, minor construction repairs based on complaints, or maintenance that is identified during routine inspections that is not related to another major construction project. There are generally no other community partners or agencies that are involved.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	N/A
How will we continue to communicate with them in this process?	If we receive concerns from residents or property owners we will work with them to inform them of work that can/will be completed to address the concern.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities,	 Yes No
those experiencing homelessness, or undocumented status?	Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.



Project Schedule & Location

2022 Projects

Project Name	Est Cost	Location
Cured in Place Pipe lining (CIPP)	\$12,000	NA
	\$220,000	NA
Citywide Stormwater Improvements (ULO and Waterways)	\$220,000	

Explain the justification for selecting projects planned for 2022:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

2023 Projects

Project Name	Est Cost	Location
Cured in Place Pipe lining (CIPP)	\$10,000	NA
Citavide Stermuster Improvements (UII O and	\$200,000	NA
Citywide Stormwater Improvements (ULO and Waterways)		

Explain the justification for selecting projects planned for 2023:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

2024 Projects

Project name	Est Cost	Location
Cured in Place Pipe lining (CIPP) \$10,000		ΝΑ
Citywide Stormwater Improvements (ULO and Waterways)	\$110,000	ΝΑ
Burrows Park Storm Sewer Improvements	\$70,000	25 Burrows Rd, Madison, WI

Explain the justification for selecting projects planned for 2024:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

Burrows Park Storm Sewer Improvements will be done in conjunction with the Parks Division replacement of the existing parking lot. There is a current drainage issue that contributes to flooding and erosion that is outside the park but impacts the park.

2025 Projects

Project name	Est Cost	Location
Cured in Place Pipe lining (CIPP)	\$10,000	ΝΑ
Cituruida Starmustar Improvements (UII O and	\$185,000	NA
Citywide Stormwater Improvements (ULO and Waterways)		

Explain the justification for selecting projects planned for 2025:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

2026 Projects

Project name	Est Cost	Location
Cured in Place Pipe lining (CIPP)	\$10,000	ΝΑ
Citywide Stormwater Improvements (ULO and Waterways)	\$185,000	ΝΑ

Explain the justification for selecting projects planned for 2026:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

2027 Projects

Project Name	Est Cost	Location
Cured in Place Pipe lining (CIPP)	10,000	ΝΑ
Citywide Stormwater Improvements (ULO and Waterways)	200,000	ΝΑ

Explain the justification for selecting projects planned for 2027:

CIPP projects are on-going preventative maintenance practices; the ULO contract is used on a yearly basis to help identify utility conflicts during design of public works projects to save time and money with costly delays and redesign during construction; Waterways is a yearly group of smaller projects that are performed by Engineering Operations staff to complete repairs in-house vs hiring contractors to perform repairs to the storm sewer system.

Operating Costs

What are the estimated annual operating costs associated with the projects planned within this program?

Personnel

# of FTEs	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 maintenanace portion of this program will be beneficial to keeping those needs at a minimum.

Non-Personnel

Major	Amount	Description
		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

Submitted

2022 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
2022 Project Number	13604		

Description

This program is for stormwater quality improvement projects associated with the City's WDNR/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.

Budget Information

Prior Appropriation*	\$6,317,680 Prior Year Actual	\$2,315,857
*Based on Fiscal Years 2015-2020		

Budget by Funding Source

Funding Source	2022	2023	2024	2025	2026	2027
Non-GF GO Borrowing - Stormwater	2,395,000	775,000	1,680,000	1,315,000	185,000	1,325,000
Reserves Applied - Stormwater	650,000	210,000	445,000	470,000	470,000	250,000
State Sources				1,500,000	2,500,000	3,500,000
Total	\$3,045,000	\$985,000	\$2,125,000	\$3,285,000	\$3,155,000	\$5,075,000

Budget by Expenditure Type

Expense Type	2022	2023	2024	2025	2026	2027
Stormwater Network	3,045,000	985,000	2,125,000	3,285,000	3,155,000	5,075,000
Tota	l \$3,045,000	\$985,000	\$2,125,000	\$3,285,000	\$3,155,000	\$5,075,000

Explain any changes from the 2021 CIP in the proposed funding for this program.

Changes from this budget submittal vs the 2021 budget submittal include the addition of several projects that have been coupled with funding in the Citywide Flood Mitigation program that will serve as regional flood improvements as well as stormwater quality improvements. These additional projects include West Towne Pond and the Pheasant Branch/Old Sauk Trails Business Park Pond. Both of these projects are budgeted for design but grant funding will be necessary to fund construction. Several greenway sections were in the 2021 budget for design. These projects have now been identified as needing additional funding sources in order to move them forward to construction.

Another change is that the Willow Creek Dreding project will be a joint project over several years for the improvements to Willow Creek and will be in conjunction with the UW and Dane County. An MOU or other agreement would be needed prior to participating in this project.

James Madison Park was in the 2021 CIP but has been pushed out. Hudson Park shoreline is a highly erosive shoreline that has been problematic for decades. This park is also on the State Historical Societies list as a site of archeological significance with burial mounds. A feasiblity study is planned in conjunction with the Parks Department to determine solutions, construction means and methods and estimates of probable costs for the shoreline. It will also include a significant engagement effort as part of the planning.

Priority & Jus		l	
Citywic	de Element	Green and Resilient	
Strateg	S Y		Improve lake and stream water uality
Descrit	e how this p	roject advances the Citywide Element:	
	0	y correlates to the strategy of improved lake and str e a direct impact on water quality and will help meet	eam water quality. The removal and reduction of Total Phosphorus (TP) and Total Suspended our goals mandated by the Rock River TMDL.

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.

Describe how Black, Indigenous, and People of Color, people living with lower incomes, and people who are otherwise marginalized (because of gender, age, home language, etc.) would be affected by the proposed budget or budget change(s)?

This program is a citwide program that is used to help the City meet the goals of the Rock River TMDL, as mandated under the City's MS4 Permit, issued by WDNR and EPA. The impacts of the improvements to residents is mostly in the ability for the city to provide natural areas for passive recreational uses that also meet the need for water quality. Water quality issue can be related to drinking water (chlorides in the wells, for example) as well as poor water quality in our lakes, rivers and streams. This can have negative impacts on the ability of residents or visitors to use and recreate in the lakes or rivers and also have an impact on the water quality for healthy lakes, which also can provide a food source to many people. By providing stormwater quality improvements these projects incrimentally improve our natural environment while meeting our permitting goals.

This program is directly related to the Citywide Flood Mitigation program and many projects share funding sources with flood mitigation projects. We have created a comprehensive public engagement and educational plan that was developed using the RESJ tools for large scale flood studies that was intentional to make sure voices were heard and people were engaged through those processes. This budget looked closely at these populations and developed a tool for equitably selecting and creating bugeting priorities to help reduce biases.

What City agencies or community partners are affected by, care about, or already working on issues related to this project/program?	, MAMSWaP, CLA, USGS, UW Madison, Friends groups. Planning, Water Utility, Streets Divisions.
Have we asked for their perspectives directly and, if so, how have we incorporated their feedback?	Yes, we work very collaboratively with all these groups to seek mutually beneficial projects that ultimately help the City and the other surrounding communities that are co-permittees of the MS4 permit meet our goals.
How will we continue to communicate with them in this process?	We have established working relationships with all these groups and will continue to work with them to provide successful projects.
Have we used any data related to the project/program that details	Yes
race, non-binary and transgender people, people with disabilities,	○ No
those experiencing homelessness, or undocumented status?	Some, not all

Is the proposed budget or budget change related to a recommendation from any of the City's teams or initiatives that connect community need with opportunities to advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, WIC, Equitable Workforce Plans)?

If so, please identify the respective group and recommendation.

\bigcirc	Yes	۲	No	

Project Schedule & Location

2022 Projects

Project Name	Est Cost	Location
Hickory Hollow Greenway - Construction	\$1,000,000	6024 Old Middleton Rd
Hawks Landing North Pond - Construction	\$520,000	3394 Sugar Maple Lane, Verona, WI
West Towne Pond (design and permits)	\$150,000	6715 Mineral Point Rd, Madison, WI
Wexford Pond - Construction	\$500,000	1005 N High Point Rd, Madison, WI
Garage/Storage facility for Vegetative Restoration group	\$175,000	Far West Public Works facility - 402 South Point Rd, Madison, WI
UW/Arboretum Coyote/Curtis Pond	\$500,000	UW Arboretum, Longenecker Dr, Madison, WI
Hawks Landing BMPs	\$75,000	Hawks Landing Golf Course
Stormwater Quality with Street projects	\$75,000	Citywide TBD
Rain Garden and Distributed Green Infrastrcture - unallocated	\$50,000	Citywide TBD

Explain the justification for selecting projects planned for 2022:

The Hickory Hollow Greenway was identified as a major flood mitigation project that also has stormwater quality improvements. This greenway is highly eroded and silted in and has a direct connection to Lake Mendota. This project is being designed in 2021 and will be let for bidding in 2022.

Hawks Landing North Pond was also identified as a major flood mitigation project that has been ongoing for several years. The funds identified in 2022 are for the pond construction.

Wexford Pond was identified in the 2019 budget for dredging but additional flood modeling has indicated this is a key location for flood mitigation as well as stormwater quality improvements. The scope of this project has expanded to meet both goals. The funds identified in 2022 are for the pond construction.

West Towne Pond is a major flood mitigation project in the Spring Harbor watershed that would have high benefits for the commercial properties on Odana Road that had major damage in the 2018 floods. This project will be designed and will have construction planned for 2024 if/when grant funds are secured. This project will also have stormwater quality improvements. Additional funding will be provided by the Citywide Flood Mitigation program.

The Garage/storage facility is necessary for a work area for our vegetative management and ecological staff to use for a base for operations as well as a wild flower seed storage and processing area and an area for storing plants for use in rain garden plantings by staff and OFS. Currently there is no location to do this so staff are using their own garages so they are able to collect and store the materials needed to perform their jobs.

The Curtis Pond and Coyote Ponds have been built in accordance with an Intergovernmental Agreement between the City of Madison, City of Fitchburg, Town of Madison, WDOT and UW Madison, which addressed joint funding for stormwater management and construction improvements that drain to the UW -Madison Arboretum lands. One remaining payment for the construction of these ponds will be made and then the agreement will be fulfilled.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging and maintenance of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds and routine maintenance and upkeep help maintain the useful life of these facilities and are also required practices under the WDNR code.

Location

\$150,000 8308 Excelsior Dr, Madison, WI

Est Cost

Project Name
Pheasant Branch - Old Sauk Trails Business Park
Pond (design and permits)

2023 Projects

Pond (design and permits)		
Warner Park Lagoon Improvements	\$300,000	2930 N Sherman Ave, Madison, WI
Willow Creek Dredging	\$335,000	Willow Creek from Campus Drive to Lake Mendota
Hawks Landing BMPs	\$50,000	Hawks Landing Golf Course, Madison, WI
Stormwater Quality with Street projects	\$75,000	Citywide TBD
Rain Garden and Distributed Green Infrastrcture - unallocated	\$75,000	Citywide TBD

Explain the justification for selecting projects planned for 2023:

Pheasant Branch - Old Sauk Trails Business Park Pond is a major flood mitigation project in the Pheasant Branch watershed that would have high benefits for the commercial properties in the business park that were the hardest hit and sustained tens of millions of dollars of damage in the 2018 floods. This project will be designed in 2023 and will be programmed for construction if/when grant funds are secured. The City has currently applied for a FEMA BRIC grant however that award has not yet been announced. This project will also have stormwater quality improvements. Additional funding will be provided by the Citywide Flood Mitigation program.

The City has finalized and will approve the final report for the Warner Lagoon Plan. Recommendations for improved water quality are identified as part of the plan recommendations. These funds will be to complete upstream improvements that are causing sedimentation to the lagoon. Once these improvements are in place a plan to dredge the lagoon will begin, which will remove accumulated sediment to provide better aquatic habitat.

Willow Creek is a major outfall in the Willow Creek Watershed. Due to the urban nature of the area this creek recieves large accumulations of sediment from road sanding and other practices. Currently there is sedimentation that is creating a large delta in Lake Mendota. The UW, Dane County and City of Madison have a joint interest in dredging the creek to remove sediment loads and to providing some habitat and restoration. An MOU or other agreement would be needed prior to participating in this project.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds help maintain their useful life and also are required as maintennce practices under the WDNR code.

2024 Projects

Project name	Est Cost	Location	
West Towne Pond - Construction	\$1,500,000	6715 Mineral Point Rd, Madison, WI	
Willow Creek Dredging	\$335,000	Willow Creek from Campus Drive to Lake Mendota	
Hudson Park Shoreline Feasibility Study	\$90,000	2713 Lakeland Ave, Madison, WI	
Hawks Landing BMPs	\$75,000	Hawks Landing Golf Course, Madison, WI	
Stormwater Quality with Street projects 2022 Capital Budget	\$50,000	Citywide TBD Agency Reguests	17

Project name	Est Cost	Location
Rain Garden and Distributed Green Infrastrcture -	\$75,000	Citywide TBD
unallocated		

Explain the justification for selecting projects planned for 2024:

West Towne Pond is a project that is being designed in 2022 awaiting grant funding for construction.

Willow Creek is a major outfall in the Willow Creek Watershed. Due to the urban nature of the area this creek recieves large accumulations of sediment from road sanding and other practices. Currently there is sedimentation that is creating a large delta in Lake Mendota. The UW, Dane County and City of Madison have a joint interest in dredging the creek to remove sediment loads and to providing some habitat and restoration. An MOU or other agreement would be needed prior to participating in this project.

Hudson Park shoreline is a highly erosive shoreline that has been problematic for decades. This park is also on the State Historical Societies list as a site of archeological significance with burial mounds. A feasibility study is planned in conjunction with the Parks Department to determine solutions, construction means and methods and estimates of probable costs for the shoreline. It will also include a significant engagement effort as part of the planning.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds help maintain their useful life and also are required as maintennce practices under the WDNR code.

2025 Projects

Project name	Est Cost	Location
Willow Creek Dredging	\$335,000	Willow Creek from Campus Drive to Lake Mendota
Mendota Spring Harbor Greenway- Regent Section (construction)	\$2,750,000	5348 Regent Street, Madison, WI
Hawks Landing BMPs	\$75,000	Hawks Landing Golf Course
Stormwater Quality with Street projects	\$50,000	Citywide TBD
Rain Garden and Distributed Green Infrastrcture - unallocated	\$75,000	Citywide TBD

Explain the justification for selecting projects planned for 2025:

Willow Creek is a major outfall in the Willow Creek Watershed. Due to the urban nature of the area this creek recieves large accumulations of sediment from road sanding and other practices. Currently there is sedimentation that is creating a large delta in Lake Mendota. The UW, Dane County and City of Madison have a joint interest in dredging the creek to remove sediment loads and to providing some habitat and restoration. An MOU or other agreement would be needed prior to participating in this project.

Mendota Spring Harbor Greenway- Regent Section is a project that is being designed in 2021 awaiting grant funding for construction.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds help maintain their useful life and also are required as maintennce practices under the WDNR code.

2026 Projects

Project name	Est Cost	Location
Mendota Spring Harbor Greenway- Masthead Section (construction)	\$3,000,000	101 Nautilus Drive, Madison, WI
Olbrich Parking Lot SWQ Improvements	\$30,000	3301 Atwood Avenue, Madison, WI
Stormwater Quality with Street projects	\$50,000	Citywide TBD
Rain Garden and Distributed Green Infrastrcture - unallocated	\$75,000	Citywide TBD

Mendota Spring Harbor Greenway- Masthead Section is a project that is being designed in 2021 awaiting grant funding for construction.

Olbrich Park Parking lot will be improved in conjunction with the Parks Division. The Stormwater Utility would like to partner with the Parks Division to install stormwater quality improvements at the parking lot prior to discharge to the Lake.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds help maintain their useful life and also are required as maintennce practices under the WDNR code.

2027 Projects

2027 110/0003		
Project Name	Est Cost	Location
Dredge - Garner Park Pond	400,000	333 S Rosa Rd, Madison, WI
Dredge - Warner Lagoons	4,000,000	2930 N Sherman Ave, Madison, WI
Stormwater Quality with Street projects	50,000	Citywide TBD
Rain Garden and Distributed Green Infrastrcture - unallocated	75,000	Citywide TBD
Pond - unallocated	200,000	TBD
Dredge - unallocated	250,000	TBD
Shoreline - unallocated	100,000	TBD

Explain the justification for selecting projects planned for 2027:

Garner Park Pond has been identified in the 2021 CIP submittal for dredging to stay in compliance with CH 528 of the Wis Adm Code.

The City has finalized and will approve the final report for the Warner Lagoon Plan. Recommendations for improved water quality are identified as part of the plan recommendations. These funds will be to complete dredging of accumulated sedimentation to the lagoon, which has had little to no maintenance since it was originally constructed in the late 1950s/early 1960s. The Warner Lagoon Plan has identified the dredging as the number one priority of stake holders. This project will be contingent on outside funding.

Stormwater quality improvements and rain garden and distributed green infrastructure improvements are mostly related to street projects to provide funding for additional improvements that help with TSS and TP removal.

The City's WDNR/EPA stormater discharge permit (the MS4 Permit) calls for dredging of stormwater management ponds and is required under Chapter NR 528, Wis. Adm. code, *Management of Accumulated Sediment from Storm Water Management Structures*. Dredging ponds help maintain their useful life and also are required as maintennce practices under the WDNR code.

Operating Costs

What are the estimated annual operating costs associated with the projects planned within this program?

Personnel

# of FTEs	Annual Cost	Description
		At this time there are no anticipated employee or staffing needs to maintian this program, however it should be noted that we are taking a comprehensive look at our programs and with the increase in green infrastructure intitiative. With Continued expansion of our system of ponds, and greenways, and with better management practices, maintaining the status quo is not sustainable over the long run. The watershed studies are housed in the operating budget and as those studies come to a close the construction of the new improvements will ramp up. It is anticated that the funding freed up from the studies in the next 5-8 years can be used to offset the costs of maintenance and additional staff that may be required.

Non-Personnel

1	Major	Amount	Description
			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 the city and facilities continues to grow and will outpace the staffing and maintenance costs that we currently have.

Notes

v1 03/15/2021

		202	22 Capital In Program Bu	nprovemen dget Proposa			
Identifying Informa	ation						
Agency	Stormwater U	ility	Proposa	al Name	Street Cleaning Equipr	nei	
Project Number	10554		Project		Program		
Project Category	Other		Priority	:	4		
2022 Project Number					+		
· · · · · · · · · · · · · · · · · · ·	13601						
Description							
udget Information Prior Appropriation* *Based on Fiscal Years 2015- udget by Funding Sourc	2020	\$2	,629,561 Prior Yea r	Actual	\$2,536,53	4	
Funding Source		2022	2023	2024	2025	2026	2027
Reserves Applied - Stormwa	ater	480,000	275,000	425,000	425,000	446,000	507,000
Sale Property/Capital Asset		53,000	25,000	45,000	45,000	47,000	56,000
		\$533,000	\$300,000	\$470,000	\$470,000	\$493,000	\$563,000
udget by Expenditure Ty	уре						
udget by Expenditure Ty Expense Type		2022	2023	2024	2025	2026	2027
Expense Type		2022 533,000	2023 300,000	2024 470,000	2025 470,000	2026 493,000	2027 563,000
Expense Type							
Machinery and Equipment xplain any changes from n 2022 it was planned to pur here is one vacuum sweepe Priority & Justificat	Total Total Total CIP in rchase 2 mechani r to serve the ent	533,000 \$533,000 In the proposed func- cal sweepers. Upon re ire City. All sweepers a	300,000 \$300,000 ding for this progra view we decided tha	470,000 \$470,000 am. t one mechanical sv	470,000 \$470,000	493,000 \$493,000	563,000 \$563,000 e more efficient. Curre
Expense Type Machinery and Equipment xplain any changes from 2022 it was planned to pun there is one vacuum sweepe Priority & Justificat Citywide Elemen	Total Total Total CIP in rchase 2 mechani r to serve the ent	533,000 \$533,000 In the proposed func- cal sweepers. Upon re ire City. All sweepers a	300,000 \$300,000 ding for this progra view we decided tha ire replaced after 5 ye	470,000 \$470,000 am. t one mechanical su ears so the addition	470,000 \$470,000 weeper and one vacuu ial vacuum sweeper wi	493,000 \$493,000	563,000 \$563,000 e more efficient. Curre
Expense Type Machinery and Equipment Applain any changes from 2022 it was planned to pur here is one vacuum sweepe Priority & Justificat Citywide Elemen Strategy	Total Total Total CIP in rchase 2 mechanin r to serve the ent iON nt Green and R	533,000 \$533,000 In the proposed func- cal sweepers. Upon re ire City. All sweepers a	300,000 \$300,000 ding for this progra view we decided tha ire replaced after 5 ye	470,000 \$470,000 am. t one mechanical sv	470,000 \$470,000 weeper and one vacuu ial vacuum sweeper wi	493,000 \$493,000	563,000 \$563,000 e more efficient. Curre
Expense Type Machinery and Equipment xplain any changes from a 2022 it was planned to punere is one vacuum sweepe Priority & Justificat Citywide Elemen Strategy Describe how th The City attemp sweepers are de	Total Total Total Total Total Total Total Totase 2 mechani Totase 2 mechan	533,000 \$533,000 In the proposed func- cal sweepers. Upon re ire City. All sweepers a resilient res the Citywide Elem eas in the City on a 24-	300,000 \$300,000 ding for this progra view we decided tha are replaced after 5 ye line replaced after 5 ye I ent: -day cycle and downt beriod) after leaf colle	470,000 \$470,000 am. t one mechanical sv ears so the addition mprove lake and str own areas weekly o ection. Sweeping re	470,000 \$470,000 weeper and one vacuu al vacuum sweeper wi	493,000 \$493,000 m sweeper would bu Il also be replaced in	563,000 \$563,000 e more efficient. Curre n 2027.

Have we asked for their perspectives directly and, if so, how have we incorporated their feedback? How will we continue to communicate with them in this process?	No Some, not all of the City's teams or initiatives that connect community need with opportunities WIC, Equitable Workforce Plans)? Yes No
incorporated their feedback? We river How will we continue to communicate with them in this process? Cit, MS Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status? Image: Cit, MS Is the proposed budget or budget change related to a recommendation from any or o advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, North or advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, North or advance racial equity the respective group and recommendation. if so, please identify the respective group and recommendation. Image: Cost cost cost cost cost cost cost cost c	ers and environment.
Have we used any data related to the project/program that details race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status? If so, please identify the respective group and recommendation. If so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if so, please identify the respective group and recommendation. if achinery and Equipment Replacement indication for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects itachinery and Equipment Replacement <td>S4 Permit and on lake and water quality initiatives Yes No Some, not all of the City's teams or initiatives that connect community need with opportunitie WIC, Equitable Workforce Plans)? Yes No</td>	S4 Permit and on lake and water quality initiatives Yes No Some, not all of the City's teams or initiatives that connect community need with opportunitie WIC, Equitable Workforce Plans)? Yes No
race, non-binary and transgender people, people with disabilities, those experiencing homelessness, or undocumented status?	No Some, not all of the City's teams or initiatives that connect community need with opportunities WIC, Equitable Workforce Plans)? Yes No
o advance racial equity, inclusion, and social justice (e.g., NRTs, RESJI, LCET, MAC, Normalized in the sequence of the sequenc	WIC, Equitable Workforce Plans)?) Yes No
If so, please identify the respective group and recommendation.	
ject Schedule & Location Project Name Est Cost Location achinery and Equipment Replacement \$533,000 NA plain the justification for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost Location \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
22 Projects Project Name Est Cost Location lachinery and Equipment Replacement \$533,000 NA plain the justification for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost Location 4achinery and Equipment Replacement \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
22 Projects Project Name Est Cost Location lachinery and Equipment Replacement \$533,000 NA plain the justification for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost Location 4achinery and Equipment Replacement \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
In the justification for selecting projects planned for 2022: plain the justification for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost \$300,000 NA Iachinery and Equipment Replacement	uum sweeper will replace 2 mechanical sweepers.
Iachinery and Equipment Replacement plain the justification for selecting projects planned for 2022: placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
placement of machinery is on a 5 -year cycle. In 2022 one mechanical and one vacu 23 Projects Project Name Est Cost \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
Project Name Est Cost Location lachinery and Equipment Replacement \$300,000 NA	uum sweeper will replace 2 mechanical sweepers.
Project Name Est Cost Location lachinery and Equipment Replacement \$300,000 NA	
achinery and Equipment Replacement \$300,000 NA	
achinery and Equipment Replacement	
plain the justification for selecting projects planned for 2023:	
placement of machinery is on a 5 -year cycle. In 2023 one vacuum sweeper will be r	replaced.
24 Projects	
Project name Est Cost Location	
lachinery and Equipment Replacement \$470,000 NA	
plain the justification for selecting projects planned for 2024:	
placement of machinery is on a 5 -year cycle. In 2024-2026, 2 mechanical sweepers	s will be replaced per year.
25 Projects	
Project name Est Cost Location	
lachinery and Equipment Replacement \$470,000 NA	
plain the justification for selecting projects planned for 2025: placement of machinery is on a 5 -year cycle. In 2024-2026, 2 mechanical sweepers	s will be replaced per year.
	· · · /
26 Projects Project name Est Cost Location	
lachinery and Equipment Replacement AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	

Replacement of machinery is on a 5 -year cycle. In 2024-2026, 2 mechanical sweepers will be replaced per year.

Est Cost

2027 Projects

Project Name

2022 Capital Budget

Agency Requests

Location

	Proj	ject Name	Est Cost	Location	
Machi	inery and Equipm	nent Replacement	563,000	ΝΑ	
Fxplain	the justification	n for selecting projects p	lanned for 2027:		
	•				
Replac	ement of machir	nery is on a 5 -year cycle.	In 2027 one mechani	cal and one vacuum sweeper will be rep	blaced.
nera	ting Costs				
spera					
Nhat are	the estimated a	innual operating costs as	ssociated with the pro	jects planned within this program?	\$2,400,000
				, F F0	\$2,400,000
ersonne # of	Annual Cost	Description			
FTEs	Annual Cost	Description			
0					
					ement of existing equipment. Last year the Stormwater Utilit 55 for salary and fringe and \$631,520.67 for other costs.
			······································		
Ion-Pers	onnel				
Major	Amount	Description			
	0	No additional non-pers	oppol costs are anticir	aatad	
		No additional non-pers		Jaleu.	
tes					
es:					
					v1 0