

Information Technology

Capital Improvement Plan

	2020 Adopted	2021 Request	Change
2021 Capital Budget	3,943,000	4,050,000	107,000
2021 Capital Improvement Plan	14,660,000	14,125,000	(535,000)

2020 Adopted
10

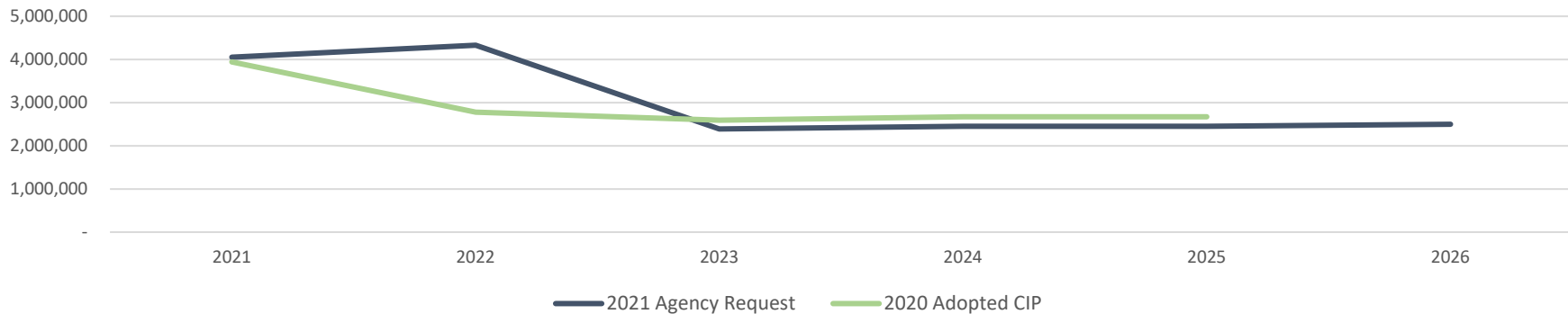
2021 Request
9

Project Summary: Agency Request

	2021	2022	2023	2024	2025	2026
Property Assessment System	-	600,000	-	-	-	-
Workstation Equipment Lifecycle Management	450,000	900,000	920,000	920,000	900,000	900,000
Network and Operations Infrastructure	840,000	980,000	500,000	500,000	500,000	500,000
Database Infrastructure	50,000	325,000	75,000	75,000	75,000	75,000
Digital Accessibility and Engagement	305,000	500,000	120,000	185,000	200,000	225,000
Enterprise Business Solutions	350,000	125,000	125,000	125,000	125,000	150,000
Microsoft 365	1,300,000	250,000	-	-	-	-
Security, Risk, and Compliance	225,000	150,000	250,000	250,000	250,000	250,000
Fiber and Wireless Network	530,000	500,000	400,000	400,000	400,000	400,000
Total	\$ 4,050,000	\$ 4,330,000	\$ 2,390,000	\$ 2,455,000	\$ 2,450,000	\$ 2,500,000

Changes from 2020 CIP

2021 Capital Improvement Plan
2020 Adopted vs. 2021 Agency Request



Major Changes/Decision Points

- Property Assessment System
Project deferred from 2021 to 2022
- Database Infrastructure
Program budget decreased by \$275k in 2021 due to deferring the Data Warehouse project to 2022
- The following program budgets decreased in 2021 due to program reprioritization
 - Workstation Equipment Lifecycle Management (\$410k)
 - Digital Accessibility and Engagement (\$55k)
 - Enterprise Business Solutions (\$200k)
 - Security, Risk, and Compliance (\$25k)
- The following program budgets increased in 2021 due to program reprioritization
 - Network and Operations Infrastructure (\$190k)
 - Fiber and Wireless Network (\$182k)
- Microsoft 365
A new project added to 2021 (\$1.5m) to fund the purchase and implementation of Microsoft 365, which includes Microsoft Exchange Email online, Microsoft SharePoint, Microsoft Teams, Data Loss Prevention and Rights Management, Microsoft Advanced Threat Protection, and other products in the M365 suite

memo

To: Mayor Rhodes-Conway

From: Sarah Edgerton, Information Technology Director

Date: June 12, 2020

Subject: Information Technology – 2021 Capital Request Overview

As with all agencies, the COVID-19 pandemic affected Information Technology (IT) in numerous ways. IT staff provided many hours of overtime and reorganized the IT Work Plan to accommodate unprecedented changes in our service and support delivery, and transition our City to a digital workplace in a compressed timeline. This dramatic shift challenged IT staff to collaborate intensively and use creative problem solving to make these changes sustainable and long lasting.

This pandemic highlights the limitations of our Telework Toolkit and demonstrates a greater need for a more collaborative, flexible and community-based toolset and work culture. By investing in innovative technologies such as Microsoft 365, we will create a strong and agile digital workplace that supports a framework for continual improvement of processes, tools, and operational efficiencies to meet our employees' needs as we transform.

Information Technology's Goals

- Provide the technological infrastructure backbone to support the services, projects and initiatives of customers, community partners, and residents.
- Support a digital workplace by expanding our digital toolkit to include emerging technologies. Empower customers to do their jobs without requiring frequent technical support.
- Develop and maintain a secure foundation for City operations by replacing end-of-life solutions and regularly evaluating our systems.
- Incorporate data-driven decision-making and identify opportunities for automated processes to allow the City to invest valuable employee time into higher-value work.
- Improve our customer service and support experience.
- Create more opportunities for residents to engage in City government through technology.
- Increase equity and connectivity to the City by improving our digital services.

Summary of Changes from 2020 Capital Improvement Plan

Fiber Build to Fire Station 12

Delaying to 2021 due to the cost of the project build.

Learning Management System

This project funds the acquisition, implementation, and training for a Learning Management System (LMS), which will administer, document, track, report on, and deliver educational courses or training programs for City staff and other public sector participants. In 2021, if approved to move forward, we will complete the contracting process, continue

gathering content for trainings, and create a communication plan. We plan to purchase and implement the software in 2022.

Legislative Management System

This project funds the purchase of a software system for the administration of the City's legislative processes, including the tracking of committees and commissions. For 2021, we will perform business analysis and collect business requirements for planning the implementation of this project. We plan to purchase the software in 2022 and to implement in 2023.

Property Assessment System

This project is for the purchase of a software system for property assessments, specifically property data management, sales analysis, and property valuation. The goal of the project is to replace an obsolete system from the mid-1990's with a current system that combines all assessment functions into one integrated program. For 2021, we will perform business analysis and collect business requirements for planning the implementation of this project. We plan to purchase the software in 2022 and to implement in 2023.

Workstation Replacements

We extended workstation warranties from three years to four years, allowing us to extend our workstation fleet lifecycle for another year. By only replacing one-third of our workstation fleet in 2020 we are realizing cost savings and minimizing staff interactions during the pandemic.

Prioritized List of Capital Requests

Using Gartner's three key IT components (run, grow and transform) to develop the IT Capital budget, we were able to prioritize our 2021 budget requests.

RUN: We are ensuring that technology is renewed in line with both industry and operational standards.

GROW: We are introducing new capabilities or improving existing ones to increase efficiencies and improve business processes.

TRANSFORM: We are researching, purchasing and developing technologies that will make fundamental changes to City business processes and provide opportunities for transformation.

Priorities

Priority #1 (Run): Network and Operations Infrastructure – Rebuild the City's aging infrastructure.

Priority #2 (Run): Security, Risk and Compliance – Continue to invest in cybersecurity measures that protect the City's critical assets.

Priority #3 (Transform): Microsoft 365 – Implement a Microsoft Office 365 subscription, which includes Microsoft Exchange Email online, Microsoft SharePoint, Microsoft Teams, Data Loss Prevention and Rights Management and Microsoft Advanced Threat Protection (see Microsoft 365 Justification Memo).

Priority #4 (Grow): Fiber and Wireless Program – Improve service delivery through interconnectivity and redundancy to City facilities by expanding the fiber optic infrastructure.

Priority #5 (Run): Digital Accessibility & Engagement – Support the development of digital government services to be effectively designed to reach community members and improve how residents interact with government.

Priority #6 (Run): Database Infrastructure – Provide the lifecycle management of the City’s database infrastructure hardware, software, licensing, upgrades, and tools.

Priority #7 (Grow): Enterprise Business Solutions – Support the continuation of the modernization of paper-based processes to digital processes and aligning enterprise systems to create shared services.

Priority #8 (Run): Workstation Equipment Lifecycle Management Program – Replace desktops, laptops, tablets and monitors. This is an ongoing hardware refresh.

Priority #9 (Transform): Property Assessment (2022 project) – Replace an aging property assessment system by purchasing a new system for administration of property assessment functions, specifically property data management, sales analysis, and property valuation.

Potential for Scaling Capital Requests

In our scaling activity, we were able to limit all 2021 Capital project requests to the replacement of end-of-life hardware or software applications and support for fiber facility builds. We carefully analyzed our IT Project List to identify opportunities to stagger projects, or to move them into the 2022 Capital requests, and establish new project timelines that reflect the availability of resources and staff time.

Impact of COVID-19 on Capital Funding

Due to decreased staff resources and budget freezes, we have paused the following projects: Legislative Management System Replacement, Learning Management System, and Property Assessment System. We are also anticipating that we will not be able to hire our four vacant positions, which will continue to have major implications on project implementations. If four positions remain vacant out of fifty-two point seven, we will continue to experience a seven point five percent reduction in services. These reductions have and will continue to impact project implementation, database administration, database backups, product development and customer service delivery.

Attachment: IT Microsoft 365 Justification Memo

c.c. Dave Schmiedicke, Finance Director
Laura Larsen, Budget & Program Evaluation Manager
Budget & Program Evaluation Staff

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Database Infrastructure
Project Number	12413	Project Type	Program
Project Category	Other	Priority:	6
2021 Project Number	13122		

Description

This program funds the lifecycle management of the City's database infrastructure hardware, software, licensing, upgrades, and tools. The goal of this program is to make continual improvements to the database infrastructure and to provide the funding for licensing tools and professional services needed to maintain the current software lifecycle. Progress will be measured by ensuring current database licensing stays current. Projects planned for 2020 include purchasing a Configuration Management Database software application and making upgrades to databases to stay current with licensing. The capital programs previously known as Hardware/Software Upgrades, Mobile Computing Laptops, and Purchased Software Enhancements have been broken down and distributed among six new programs, including this one. This was done to promote transparency in the 2020 capital budget and to better align with the City's strategic elements.

Budget Information

Prior Appropriation*

*Based on Fiscal Years 2015-2019

\$200,000	Prior Year Actual*	\$0
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Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	50,000	325,000	75,000	75,000	75,000	75,000
Total	\$50,000	\$325,000	\$75,000	\$75,000	\$75,000	\$75,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Software and Licenses	40,000	100,000	25,000	25,000	25,000	25,000
Machinery and Equipment	10,000	225,000	50,000	50,000	50,000	50,000
Total	\$50,000	\$325,000	\$75,000	\$75,000	\$75,000	\$75,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

We have moved our Data Warehouse project to 2022.

Priority

Citywide Element	Effective Government
Strategy	Improve accessibility to government agencies and services
Describe how this project advances the Citywide Element:	
This program supports the Citywide Element by supporting, maintaining, and securing critical City IT infrastructure.	

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location
Database Infrastructure Management	\$50,000	

Explain the justification for selecting projects planned for 2021:

Database upgrades are crucial to staying current with licensing.

2022 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Database Infrastructure Management	\$75,000	
Data Warehouse	\$250,000	

Explain the justification for selecting projects planned for 2022:

Database upgrades are crucial to staying current with licensing.

2023 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Database Infrastructure Management	\$75,000	

Explain the justification for selecting projects planned for 2023:

Database upgrades are crucial to staying current with licensing.

2024 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Database Infrastructure Management	\$75,000	

Explain the justification for selecting projects planned for 2024:

Database upgrades are crucial to staying current with licensing.

2025 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Database Infrastructure Management	\$75,000	

Explain the justification for selecting projects planned for 2025:

Database upgrades are crucial to staying current with licensing.

2026 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Database Infrastructure Management	\$75,000	

Explain the justification for selecting projects planned for 2026:

Database upgrades are crucial to staying current with licensing.

Operating Costs

What are the estimated annual operating costs associated with the projects planned within this program? \$0

Personnel

<i># of FTEs</i>	<i>Annual Cost</i>	<i>Description</i>

Non-Personnel

<i>Major</i>	<i>Amount</i>	<i>Description</i>
		There is a \$0 cost to Operating for 2021.

Notes

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2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	<input type="text" value="Information Technology"/>	Proposal Name	<input type="text" value="Digital Accessibility and E"/>
Project Number	<input type="text" value="12417"/>	Project Type	<input type="text" value="Program"/>
Project Category	<input type="text" value="Other"/>	Priority:	<input type="text" value="5"/>
2021 Project Number	<input type="text"/>		

Description

This program is responsible for enabling online payment processing, citizen service requests, digital signage, open data, access to Geographical Information Systems (GIS) data, and web applications and services. It also supports the projects and programs of the City's government access television channel. The goal of this program is to develop and support new technology and systems that improve accessibility and interaction with City services. Progress will be measured by increased traffic and engagement on the City website and increased viewership of the City television channel. Planned projects for 2020 include Polycom replacements, the addition of robotic cameras in the Madison Municipal Building (MMB), Wyse terminals for improvement of digital presentations in MMB and the City County Building, and various improvements to the media team infrastructure. The capital programs previously known as Hardware/Software Upgrades, Mobile Computing Laptops, and Purchased Software Enhancements have been broken down and distributed among six new programs, including this one. This was done to promote transparency in the 2020 capital budget and to better align with the City's strategic elements.

Budget Information

Prior Appropriation* **Prior Year Actual***

*Based on Fiscal Years 2015-2019

Budget by Funding Source

<i>Funding Source</i>	2021	2022	2023	2024	2025	2026
GF GO Borrowing	305,000	500,000	120,000	185,000	200,000	225,000
Total	\$305,000	\$500,000	\$120,000	\$185,000	\$200,000	\$225,000

Budget by Expenditure Type

<i>Expense Type</i>	2021	2022	2023	2024	2025	2026
Machinery and Equipment	130,000	475,000	120,000	185,000	200,000	225,000
Other	175,000	25,000				
Total	\$305,000	\$500,000	\$120,000	\$185,000	\$200,000	\$225,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element

Strategy

Describe how this project advances the Citywide Element:

This program advances the Citywide element by developing and supporting new technology and systems that improve accessibility to government agencies and services.

Project Schedule & Location

2021 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
2021 Capital Budget	Agency Requests	226

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
City Website End-of-life Replacement	\$150,000	
M.O.S.T. Website End-of-life Replacement	\$60,000	
Media Team End-of-life Hardware Replacements: Mediasite Mobile Recorder and Studio Cameras	\$90,000	
Dante Master Control Clock	\$3,000	

Explain the justification for selecting projects planned for 2021:

End-of-life City Website Replacement: The City's current platform will be end-of-life in November of 2021. This project includes professional services to assist with the migration/upgrade, as well as the transition to an enterprise cloud hosting solution for the City of Madison website.
Studio Cameras and Mediasite Mobile Recorder End-of-life equipment replacement: The current cameras are no longer supported or manufactured.

2022 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Bonded Streaming System	\$19,500	
Media Team Replacements: Media Players/Monitors, Charter and TDS Encoders, and field audio equipment.	\$315,000	
Robotic Camera Installs in GR-27 and Central Library	\$95,000	
Master Control Clock	\$15,000	
SDI Fiber Transmission Expansion	\$52,000	

Explain the justification for selecting projects planned for 2022:

Replacement of end of life equipment is crucial to the security and stability of the network, as well as, replacing the City's aging infrastructure. Adding robotic cameras in City meeting rooms allows for more meeting coverage by the Media Team.

2023 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Media Team Replacements: Control Room Preview/Program Monitors, Media Players/Monitors, AT&T Encoder, Field/Mobile lighting, and Mediasite Server	\$120,000	

Explain the justification for selecting projects planned for 2023:

Replacement of end of life equipment is crucial to the security and stability of the network, as well as, replacing the City's aging infrastructure. Adding robotic cameras in City meeting rooms allows for more meeting coverage by the Media Team.

2024 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Media Team Replacements: Media Players/Monitors, Cinema-Style Field Camera, Media Storage and Studio	\$155,000	
Robotics Camera Install: Fire Station 14	\$30,000	

Explain the justification for selecting projects planned for 2024:

Replacement of end of life equipment is crucial to the security and stability of the network, as well as, replacing the City's aging infrastructure. Adding robotic cameras in City meeting rooms allows for more meeting coverage by the Media Team.

2025 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
TBD- Media Team Replacements, Robotics Camera Installs, etc...	\$200,000	

Explain the justification for selecting projects planned for 2025:

Replacement of end of life equipment is crucial to the security and stability of the network, as well as, replacing the City's aging infrastructure. Adding robotic cameras in City meeting rooms allows for more meeting coverage by the Media Team.

2026 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
TBD- Media Team Replacements, Robotics Camera Installs, etc...	\$225,000	

Explain the justification for selecting projects planned for 2026:

Replacement of end of life equipment is crucial to the security and stability of the network, as well as, replacing the City's aging infrastructure. Adding robotic cameras in City meeting rooms allows for more meeting coverage by the Media Team.

Operating Costs

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

Personnel

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>

Non-Personnel

Major	Amount	Description
54335	\$120,000	The City and M.O.S.T websites will be a Platform as a Service solution that will require \$60,000 in maintenance each year per solution.

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v 05/04/2020

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Enterprise Business Solut
Project Number	12418	Project Type	Program
Project Category	Other	Priority:	7
2021 Project Number	13123		

Description

This program supports minor changes to the Enterprise Business Systems such as Permitting (Accela), Asset Management (CityWorks), Sharepoint, RecTrac, and IT Service Manager. The goal of this program is to continue the modernization of paper-based processes to digital processes and aligning enterprise systems. Projects planned for 2020 include the purchase of Java licenses, enterprise printer services, Adobe subscriptions, Skype/Polycom integration, Crystal report conversion, and the addition of the Department of Civil Rights (DCR) contract management module. The capital programs previously known as Hardware/Software Upgrades, Mobile Computing Laptops, and Purchased Software Enhancements have been broken down and distributed among six new programs, including this one. This was done to promote transparency in the 2020 capital budget and to better align with the City's strategic elements.

Budget Information

Prior Appropriation*

\$220,000	Prior Year Actual*	\$0
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*Based on Fiscal Years 2015-2019

Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	350,000	125,000	125,000	125,000	125,000	150,000
Total	\$350,000	\$125,000	\$125,000	\$125,000	\$125,000	\$150,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Other	350,000	125,000	125,000	125,000	125,000	150,000
Total	\$350,000	\$125,000	\$125,000	\$125,000	\$125,000	\$150,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element

Strategy

Describe how this project advances the Citywide Element:

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location
Tax System Conversion Services	\$20,000	<input style="width: 400px;" type="text"/>

Project name	Est Cost	Location
Enterprise Business Solutions Services	\$20,000	
SharePoint Online Conversion Professional Services	\$300,000	

Explain the justification for selecting projects planned for 2021:

-Tax System Conversion Services: The City is transitioning to a new tax system in 2020. This project allows for data conversion from the legacy tax collection and billing system to facilitate a move to the new tax collection system.

-Enterprise Business Solutions Services: This is for services needed to support our Enterprise Business Solutions (Accela, Cityworks and Telestaff/Kronos).

-SharePoint Online Conversion Professional Services: Hiring a consultant to assist in the migration of Sharepoint 2010 to SharePoint Online.

2022 Projects

Project Name	Est Cost	Location
Enterprise Business Solutions Modifications	\$125,000	

Explain the justification for selecting projects planned for 2022:

This project makes modifications to existing business solutions in order to better fit the needs of our customers.

2023 Projects

Project Name	Est Cost	Location
Enterprise Business Solutions Modifications	\$125,000	

Explain the justification for selecting projects planned for 2023:

This project makes modifications to existing business solutions in order to better fit the needs of our customers.

2024 Projects

Project name	Est Cost	Location
Enterprise Business Solutions Modifications	\$125,000	

Explain the justification for selecting projects planned for 2024:

This project makes modifications to existing business solutions in order to better fit the needs of our customers.

2025 Projects

Project name	Est Cost	Location
Enterprise Business Solutions Modifications	\$125,000	

Explain the justification for selecting projects planned for 2025:

This project makes modifications to existing business solutions in order to better fit the needs of our customers.

2026 Projects

Project name	Est Cost	Location
Enterprise Business Solutions Modifications	\$150,000	

Explain the justification for selecting projects planned for 2026:

This project makes modifications to existing business solutions in order to better fit the needs of our customers.

Operating Costs

What are the estimated annual operating costs associated with the projects planned within this program? \$0

Personnel

# of FTEs	Annual Cost	Description

Non-Personnel

Major	Amount	Description
		There is a \$0 cost to Operating for 2021.

Notes

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Fiber and Wireless Network
Project Number	17404	Project Type	Program
Project Category	Other	Priority:	4
2021 Project Number	17093		

Description

This program is for the expansion of the City's high-speed fiber optic network. The goal of this program is to improve service delivery through interconnectivity and redundancy to City facilities by expanding the fiber optic infrastructure. Progress of this program will be measured by the growth in total mileage of fiber laid. Projects planned for 2020 include the expansion of fiber from Fire Station 12 to Pleasant View Rd and Fire Station 9 to Mineral Point Rd to create redundant loops and the fiber installation at the South Meriter Loop.

Budget Information

Prior Appropriation* \$892,964 **Prior Year Actual*** \$864,711
*Based on Fiscal Years 2015-2019

Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	530,000	500,000	400,000	400,000	400,000	400,000
Total	\$530,000	\$500,000	\$400,000	\$400,000	\$400,000	\$400,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Fiber Network	432,000	382,000	280,000	280,000	280,000	280,000
Other	98,000	118,000	120,000	120,000	120,000	120,000
Total	\$530,000	\$500,000	\$400,000	\$400,000	\$400,000	\$400,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element Effective Government

Strategy Improve accessibility to government agencies and services

Describe how this project advances the Citywide Element:

As a foundational system, all city departments rely on the City's fiber network to support their critical systems and applications.

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location
Fiber Redundancy	\$400,000	Fire Station #12 and Patterson
Fiber Audit	\$98,000	

Project name	Est Cost	Location
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2021:

-Fiber Redundancy- A fundamental aspect of the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network. Redundant loops work toward the goal of improved service delivery.

1. Fire Station 12: This path will be a redundant path to Fire Station 12 and will be able to support the future expansion of Streets Far West Facility.

2. Patterson Build (from East Washington Ave to Williamson St and Williamson St to John Nolan): This is a proactive build for the creation of an alternative path for fiber due to the Blair St reconstruction project. This will serve as a redundant path after this planned reconstruction project is completed.

-Fiber Audit- We have an 8 year commitment to doing fiber audits for the City. 2021 will be year 4 for the Fiber audits.

-Fiber Maintenance Repairs- Like City infrastructure; fiber and related components have a shelf life. We plan to upgrade and replace older handholes, splice cases, splicing, etc.

2022 Projects

Project Name	Est Cost	Location
Fiber Redundancy	\$300,000	Fire Station #13, Larkin to Regent to Highland and Chamberland, Meriter Loop and E Broadway
Fiber Audit	\$98,000	
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2022:

We have an 8 year commitment to doing fiber audits for the City. 2022 will be year 5 for the Fiber audits.

A fundamental aspect to the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network.

2023 Projects

Project Name	Est Cost	Location
Fiber Redundancy	\$300,000	Fleet Services, Park St and CCB to E Johnson and First st
Fiber Audit	\$98,000	
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2023:

We have an 8 year commitment to doing fiber audits for the City. 2023 will be year 6 for the Fiber audit.s

A fundamental aspect to the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network.

Like City infrastructure; fiber and related components have a shelf life. We plan to upgrade and replace older handholes, splice cases, splicing, etc.

2024 Projects

Project name	Est Cost	Location
Fiber Redundancy	\$250,000	John Nolan
Fiber Audit	\$98,000	
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2024:

We have an 8 year commitment to doing aiber audits for the City. 2024 will be year 7 for the Fiber audits.

A fundamental aspect to the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network.

Like City infrastructure; fiber and related components have a shelf life. We plan to upgrade and replace older handholes, splice cases, splicing, etc.

2025 Projects

Project name	Est Cost	Location
Fiber Redundancy	\$200,000	John Nolan and Lakeside to Water Utility and McKee Rd fiber install
Fiber Audit	\$98,000	
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2025:

2021 Capital Budget

Agency Requests

We have an 8 year commitment to doing fiber audits for the City. 2025 will be year 8 for the Fiber audits.

A fundamental aspect to the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network.

Like City infrastructure; fiber and related components have a shelf life. We plan to upgrade and replace older handholes, splice cases, splicing, etc.

2026 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Fiber Redundancy	\$400,000	TBD
Fiber Maintenance	\$20,000	

Explain the justification for selecting projects planned for 2026:

We have an 8 year commitment to doing fiber audits for the City.

A fundamental aspect to the City's infrastructure is to build redundancy and expand fiber to connect all City sites and assets; such as traffic signals, sensors, cameras, and City facilities, to the City fiber network.

Like City infrastructure; fiber and related components have a shelf life. We plan to upgrade and replace older handholes, splice cases, splicing, etc.

Operating Costs

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

Personnel

<i># of FTEs</i>	<i>Annual Cost</i>	<i>Description</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Non-Personnel

<i>Major</i>	<i>Amount</i>	<i>Description</i>
<input type="text"/>	<input type="text"/>	\$0 for maintenance in 2021 and future years.

Notes

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2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Microsoft 365
Project Number	13086	Project Type	Project
Project Category	Other	Priority:	3

Description

This project funds the purchase of Microsoft 365. The goal of this project is to implement a Microsoft Office 365 subscription, which includes Microsoft Exchange Email online, Microsoft SharePoint, Microsoft Teams, Data Loss Prevention and Rights Management and Microsoft Advanced Threat Protection to name a few of the products in the M365 suite. Using this subscription will allow the City to continually upgrade as Microsoft versions are released. Additionally, as the service is built into Microsoft's Enterprise Cloud for Government, the service and data are accessible from any Internet-enabled device which gives City employees the ability to access files without the need of a secure connection into the City's network. Progress will be measured by guaranteed 99.9% uptime, improved infrastructure, sustainable maintenance cycles, improved email capability, increased staff efficiencies and enhanced cybersecurity.

Budget Information

Total Project Budget **Prior Appropriation** \$0

Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	1,300,000	250,000				
Total	\$1,300,000	\$250,000	\$0	\$0	\$0	\$0

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Software and Licenses	1,010,000					
Other	290,000	250,000				
Total	\$1,300,000	\$250,000	\$0	\$0	\$0	\$0

Explain any changes from the 2020 CIP in the proposed funding for this project.

Priority

Citywide Element Effective Government

Strategy Ensure that the City of Madison government is transparent and accountable.

Describe how this project advances the Citywide Element:

Our work environments are constantly evolving. By embracing innovative technologies such as Microsoft 365, we will create a strong and agile digital workplace that supports a framework for continual improvement of processes, tools, and operational efficiencies to meet our employees' needs. Our goal is create a digital workplace that grows and adapts with the needs of our workforce in a connected, collaborative and sustainable way.

What is the justification for this project?

We believe that now is the right time to make the transition from an on premise deployment of Microsoft tools to a subscription-based, cloud-supported suite known as Microsoft 365. From a cost perspective, we have determined that it will cost no more than what we spend today to support an online Microsoft environment and provide more desirable features that are not available on premise.

Project Schedule & Location

Can this project be mapped? Yes No

What is the location of the project? N/A

Is this project on the Project's Portal? Yes No

2021 Status

Status/Phase	Est Cost	Description
	1400000	Phase 1: New Enrollment Agreement and license purchase to be able to begin implementation.

2022 Status

Status/Phase	Est Cost	Description
	250000	Consulting services to transition Exchange on-premise to Exchange online.

2023 Status

Status/Phase	Est Cost	Description

2024 Status

Status/Phase	Est Cost	Description

2025 Status

Status/Phase	Est Cost	Description

2026 Status

Status/Phase	Est Cost	Description

Operating Costs

What are the estimated annual operating costs associated with the project?

Personnel

# of FTEs	Annual Cost	Description

Non-Personnel

Major	Amount	Description
54335	\$1,200,000	Yearly Subscription costs for Microsoft 365. See Microsoft 365 Justification Memo for operating cost trade-offs.

Notes

Notes:

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Network and Operations
Project Number	12412	Project Type	Program
Project Category	Other	Priority:	1
2021 Project Number	12412		

Description

This program is for the lifecycle management of the hardware and software required to operate the City's IT infrastructure environment in a secure and reliable manner. The program is responsible for maintaining the City's data network, data storage, systems hosting, backups, and internet access. The goal of this program is to establish a schedule to minimize downtime and impact on City operations. Progress will be measured by the percentage of network system uptime. Projects planned for 2020 include upgrading the media storage system, replacing end-of-life components in the ERP server and related storage, and replacing end-of-life switches and linecards in the network infrastructure. The capital programs previously known as Hardware/Software Upgrades, Mobile Computing Laptops, and Purchased Software Enhancements have been broken down and distributed among six new programs, including this one. This was done to promote transparency in the 2020 capital budget and to better align with the City's strategic elements.

Budget Information

Prior Appropriation*

*Based on Fiscal Years 2015-2019

\$900,000	Prior Year Actual*	\$54,104
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Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	840,000	980,000	500,000	500,000	500,000	500,000
Total	\$840,000	\$980,000	\$500,000	\$500,000	\$500,000	\$500,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Machinery and Equipment	590,000	730,000	500,000	500,000	500,000	500,000
Software and Licenses	150,000	100,000				
Other	100,000	150,000				
Total	\$840,000	\$980,000	\$500,000	\$500,000	\$500,000	\$500,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element Effective Government

Strategy Ensure that the City of Madison government is transparent and accountable.

Describe how this project advances the Citywide Element:

In order to have an effective government, you need to have an IT infrastructure which is supported, maintained, and secured so City staff is able to do their work.

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location
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<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
End-of-life systems: Replacing end of life switches (20), Core Distribution, and Phone System	\$550,000	
10GB Nexus Switch Connections	\$50,000	
Hosts for Additional Virtual Environment Capacity	\$240,000	

Explain the justification for selecting projects planned for 2021:

The End-of-life program is to replace end-of-life systems such as, telephony system, core distribution replacement. The replacement of end-of-life equipment is crucial to the security and stability of the network.

10GB Nexus Switch Connections: Due to increased hardware and software systems there is a high priority need to increase our 10GB capacity on our servers to support these new services. Without this increase in capacity, we are unable to provide robust network connectivity to our various systems.

Hosts for additional virtual environment capacity: Additional VMWare VSAN hosts needed for additional capacity. This supports the infrastructure for a digital workplace.

2022 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
End-of-life systems: Replacing end of life switches (39), servers, virtual environment and wireless lan controller	\$775,000	
Server 2019 Licensing	\$95,000	
Virtual Desktop Environment Enhancements	\$110,000	

Explain the justification for selecting projects planned for 2022:

Replacement of end of life equipment is crucial to the security and stability of the network by replacing the City's aging infrastructure.

2023 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Network Infrastructure Replacements (Replacing end of life switches (17), Core Distribution, and Server Farm 1 and 2 consolidation)	\$500,000	

Explain the justification for selecting projects planned for 2023:

Replacement of end of life equipment is crucial to the security and stability of the network by replacing the City's aging infrastructure.

2024 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Network Infrastructure Replacements (Replacing end of life switches (23) and Core distribution consolidation)	\$500,000	

Explain the justification for selecting projects planned for 2024:

Replacement of end of life equipment is crucial to the security and stability of the network by replacing the City's aging infrastructure.

2025 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Network Infrastructure Replacements (Replacing end of life switches (49))	\$500,000	

Explain the justification for selecting projects planned for 2025:

Replacement of end of life equipment is crucial to the security and stability of the network by replacing the City's aging infrastructure.

2026 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Network Infrastructure Replacements- TBD	\$500,000	

Explain the justification for selecting projects planned for 2026:

Replacement of end of life equipment is crucial to the security and stability of the network by replacing the City's aging infrastructure.

Operating Costs

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

Personnel

<i># of FTEs</i>	<i>Annual Cost</i>	<i>Description</i>

Non-Personnel

<i>Major</i>	<i>Amount</i>	<i>Description</i>
54335	\$2,100	10 GB switch connections will have an annual maintenance of \$2,100.

Notes

Notes:

v 05/04/2020

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Property Assessment Sys
Project Number	10043	Project Type	Project
Project Category	Other	Priority:	9

Description

This project is for the purchase of a new computer system for property assessments, specifically property data management, sales analysis, and property valuation. The goal of the project is to replace an obsolete system from the mid-1990's with a modern system that combines all assessment functions into one integrated program. Progress will be measured by increased capabilities and integration with GIS mapping within and to the satisfaction of the Assessor's Office. The anticipated go live date for the system is 2022.

Budget Information

Total Project Budget **Prior Appropriation**

Budget by Funding Source

<i>Funding Source</i>	2021	2022	2023	2024	2025	2026
GF GO Borrowing		600,000				
Total	\$0	\$600,000	\$0	\$0	\$0	\$0

Budget by Expenditure Type

<i>Expense Type</i>	2021	2022	2023	2024	2025	2026
Software and Licenses		200,000				
Other		400,000				
Total	\$0	\$600,000	\$0	\$0	\$0	\$0

Explain any changes from the 2020 CIP in the proposed funding for this project.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints. This project has been moved to 2022.

Priority

Citywide Element

Strategy

Describe how this project advances the Citywide Element:

What is the justification for this project?

Project Schedule & Location

Can this project be mapped? Yes No

What is the location of the project?

Is this project on the Project's Portal? Yes No

2021 Status

<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
2021 Capital Budget		Agency Requests
		239

	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
2022	Status		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
		600000	
2023	Status		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
2024	Status		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
2025	Status		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>
2026	Status		
	<i>Status/Phase</i>	<i>Est Cost</i>	<i>Description</i>

Operating Costs

What are the estimated annual operating costs associated with the project?

Personnel

<i># of FTEs</i>	<i>Annual Cost</i>	<i>Description</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Non-Personnel

<i>Major</i>	<i>Amount</i>	<i>Description</i>
54335	\$80,000	Software Maintenance

Notes

Notes:

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Security, Risk, and Compl
Project Number	17401	Project Type	Program
Project Category	Other	Priority:	2
2021 Project Number	17109		

Description

This program is for the protection of information technology and the information contained, processed, or transmitted by information technology systems. The goal of this program is to reduce the City's overall risk of security incident to moderate or below. This program is responsible for developing and measuring compliance with security policies and procedures and to minimize risk through implementation of effective technical, administrative, and physical security controls. Funds will be used to procure necessary tools, software, and services to better combat threats and improve the City's security posture. Projects for 2020 include remote access improvements, a security vulnerability assessment, and phase one of the networks security services minor project focusing on Criminal Justice Information Services (CJIS) and Health Insurance Portability and Accountability Act (HIPAA) compliance.

Budget Information

Prior Appropriation*

*Based on Fiscal Years 2015-2019

\$990,000	Prior Year Actual*	\$979,549
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Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	225,000	150,000	250,000	250,000	250,000	250,000
Total	\$225,000	\$150,000	\$250,000	\$250,000	\$250,000	\$250,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Other	110,000	50,000	60,000	60,000	60,000	60,000
Software and Licenses	20,000	20,000	20,000	20,000	20,000	20,000
Machinery and Equipment	95,000	80,000	170,000	170,000	170,000	170,000
Total	\$225,000	\$150,000	\$250,000	\$250,000	\$250,000	\$250,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element Effective Government

Strategy Ensure that the City of Madison government is transparent and accountable.

Describe how this project advances the Citywide Element:

Reducing downtime of City operations by bolstering the City's IT security to ward off cybersecurity threats, improve detection of potential dangers, and reduce vulnerabilities.

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	

Project name	Est Cost	Location
DNS/DHCP Project	\$125,000	
Network Security Services- Architecture Consulting	\$30,000	
Identity Access Management- Architecture Consulting	\$20,000	

Explain the justification for selecting projects planned for 2021:

-Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.
 -DNS/DHCP Project: This establishes the ability to better mitigate the loss of network connectivity in our data centers.
 -Network Security Services- Architecture Consulting: Integration of the firewall and network access control, to better secure connections to our network.
 -Identity Access Management- Architecture Consulting: Integration of user accounts into a centralized Privileged Access Management System. This will help manage and secure Service/Admin login credentials across all City applications.

2022 Projects

Project Name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	
Citywide Cyber Security Training	\$100,000	

Explain the justification for selecting projects planned for 2022:

Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.

2023 Projects

Project Name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	

Explain the justification for selecting projects planned for 2023:

Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.

2024 Projects

Project name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	

Explain the justification for selecting projects planned for 2024:

Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.

2025 Projects

Project name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	

Explain the justification for selecting projects planned for 2025:

Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.

2026 Projects

Project name	Est Cost	Location
Security Vulnerability Assessment	\$50,000	

Explain the justification for selecting projects planned for 2026:

Security Vulnerability Assessment: Third-party assessment used to improve our security posture and keep us in compliance with security policies and procedures.

Operating Costs

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

Personnel

# of FTEs	Annual Cost	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>

Non-Personnel

Major	Amount	Description
54335	\$17,000	Maintenance will be due on the DNS/DHCP system in 2024.

2021 Capital Improvement Plan Capital Budget Proposal

Identifying Information

Agency	Information Technology	Proposal Name	Workstation Equipment I
Project Number	12411	Project Type	Program
Project Category	Other	Priority:	8
2021 Project Number	13127		

Description

This program is for the lifecycle management of City hardware and tools that meet modern technology standards and application requirements. This program is responsible for upkeep of appropriate hardware and companion products to support the City's workforce in their day-to-day job functions. The goal of this program is to replace equipment on an appropriate schedule to minimize downtime and requests for service. Projects planned for 2020 include procurement of new City workstation equipment such as laptops, desktops, tablets, printers, police/fire mobile computing devices, phones, and related components or companion products. Progress will be measured by replacing out of warranty devices which are tracked by IT Asset Management Software. The capital programs previously known as Hardware/Software Upgrades, Mobile Computing Laptops, and Purchased Software Enhancements have been broken down and distributed among six new programs, including this one. This was done to promote transparency in the 2020 capital budget and to better align with the City's strategic elements.

Budget Information

Prior Appropriation*

*Based on Fiscal Years 2015-2019

\$870,000 **Prior Year Actual***

\$263,803

Budget by Funding Source

Funding Source	2021	2022	2023	2024	2025	2026
GF GO Borrowing	450,000	900,000	920,000	920,000	900,000	900,000
Total	\$450,000	\$900,000	\$920,000	\$920,000	\$900,000	\$900,000

Budget by Expenditure Type

Expense Type	2021	2022	2023	2024	2025	2026
Machinery and Equipment	450,000	900,000	920,000	920,000	900,000	900,000
Total	\$450,000	\$900,000	\$920,000	\$920,000	\$900,000	\$900,000

Explain any changes from the 2020 CIP in the proposed funding for this program.

In order to support COVID-19 work, IT had to reprioritize projects due to staffing and budget restraints.

Priority

Citywide Element Effective Government

Strategy Ensure that the City of Madison government is transparent and accountable.

Describe how this project advances the Citywide Element:

This program advances this Citywide element by providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, so City staff can do their work.

Project Schedule & Location

2021 Projects

Project name	Est Cost	Location

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Desktop Replacements (~175)	\$100,000	
Laptop Replacements (~100)	\$100,000	
Tablet Replacements (11)	\$11,000	
Toughbook/Rugged Device Replacements (~40)	\$150,000	
Monitor Replacements (~25)	\$10,000	
Phone Replacements (~40)	\$10,000	
Misc Replacements (Keyboards, Mice, Cables, etc...)	\$15,000	
Enterprise Class Multifunction Device Replacements (Large Capacity printer/scanner/fax) (~25)	\$25,000	

Explain the justification for selecting projects planned for 2021:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner.

2022 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Desktop Replacements (~175)	\$140,000	
Laptop Replacements (~240)	\$260,000	
Tablet Replacements (~26)	\$55,000	
Toughbook/Rugged Device Replacements (~55)	\$210,000	
Monitor Replacements (~150)	\$25,000	
Phone Replacements (~150)	\$50,000	
Misc Replacements (Keyboards, Mice, Cables, etc...)	\$15,000	
Enterprise Class Multifunction Device Replacements (Large Capacity printer/scanner/fax) (~25)	\$100,000	

Explain the justification for selecting projects planned for 2022:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner. (A 10% increase has been applied)

2023 Projects

<i>Project Name</i>	<i>Est Cost</i>	<i>Location</i>
Desktop Replacements (~179)	\$165,000	
Laptop Replacements (~232)	\$280,000	
Tablet Replacements (~30)	\$55,000	
Toughbook/Rugged Device Replacements (~53)	\$200,000	
Monitor Replacements (~150)	\$25,000	
Phone Replacements (~150)	\$55,000	
Misc Replacements (Keyboards, Mice, Cables, etc...)	\$20,000	
Enterprise Class Multifunction Device Replacements (Large Capacity printer/scanner/fax) (~25)	\$100,000	

Explain the justification for selecting projects planned for 2023:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner. (A 10% increase has been applied)

2024 Projects

<i>Project name</i>	<i>Est Cost</i>	<i>Location</i>
Desktop Replacements (~178)	\$165,000	
Laptop Replacements (~250)	\$266,000	

Project name	Est Cost	Location
Tablet Replacements (~23)	\$40,000	
Toughbook/Rugged Device Replacements (~55)	\$210,000	
Monitor Replacements (~150)	\$27,500	
Phone Replacements (~150)	\$55,000	
Misc Replacements (Keyboards, Mice, Cables, etc...)	\$20,000	
Enterprise Class Multifunction Device Replacements (Large Capacity printer/scanner/fax) (~25)	\$100,000	

Explain the justification for selecting projects planned for 2024:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner. (A 10% increase has been applied)

2025 Projects

Project name	Est Cost	Location
Desktop Replacements (~175)	\$140,000	
Laptop Replacements (~240)	\$260,000	
Tablet Replacements (~26)	\$55,000	
Toughbook/Rugged Device Replacements (~55)	\$210,000	
Monitor Replacements (~150)	\$27,500	
Phone Replacements (~150)	\$55,000	
Misc Replacements (Keyboards, Mice, Cables, etc...)	\$20,000	
Enterprise Class Multifunction Device Replacements (Large Capacity printer/scanner/fax) (~25)	\$100,000	

Explain the justification for selecting projects planned for 2025:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner. (A 10% increase has been applied)

2026 Projects

Project name	Est Cost	Location
TBD		

Explain the justification for selecting projects planned for 2026:

By providing access and use of digital technology through replacements of laptops, desktops, tablets, monitors, printers, phones, etc, City staff can do their work in an efficient manner. (A 10% increase has been applied)

Operating Costs

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

Personnel

# of FTEs	Annual Cost	Description

Non-Personnel

Major	Amount	Description
		\$0 in Operating costs for 2021

Notes

Notes:

City of Madison 2020 Authorized Projects
 Summary Status

Agency : Information Technology

of Projects on Schedule

5

of Projects Delayed

4

Project	2020 Budget	Status	Notes
Workstation Equipment Lifecycle Management	870,000	Delayed -- will be started in 2020 but not completed	We have reduced our 2021 request to reflect this program being delayed in 2020.
Network and Operations Infrastructure	900,000	On schedule	
Database Infrastructure	200,000	Delayed -- will be started in 2020 but not completed	We have reduced our 2021 request to reflect this program being delayed in 2020.
Digital Accessibility and Engagement	275,000	On schedule	
Enterprise Business Solutions	220,000	On schedule	
Disaster Recovery Plan	250,000	Delayed -- will be started in 2020 but not completed	
Tax System Replacement	300,000	On schedule	
Security, Risk, and Compliance (formally Network Security)	195,000	Delayed -- will be started in 2020 but not completed	We have reduced our 2021 request to reflect this program being delayed in 2020.
Fiber and Wireless Network	307,000	On schedule	
TOTAL	\$ 3,517,000		