Information Technology

Capital Improvement Plan (CIP) Overview

Budget Phase: Executive

Summary Table

	2024	2025	2026	2027	2028	2029
Audiovisual Systems	120,000	75,000	205,000	205,000	206,000	257,000
Camera Lifecycle Management	250,000	130,000	100,000	100,000	100,000	100,000
Database Lifecycle Management	275,000	150,000	150,000	150,000	150,000	150,000
Digital Accessibility & Engagement	259,850	331,000	730,000	375,000	376,000	285,000
Digital Workplace	1,070,000	1,375,000	876,000	1,160,000	1,125,000	1,130,000
Enterprise Business Solutions	170,000	1,775,000	125,000	125,000	125,000	125,000
Fiber and Wireless Network	380,000	1,131,000	1,310,000	935,000	787,000	789,000
Network Operations & Infrastructure Lifecycle Management	2,610,000	2,105,000	1,430,000	1,965,000	885,000	1,705,000
Security, Risk, and Compliance	1,405,000	357,000	359,000	361,000	363,000	365,000
	$ 6,539,850	$ 7,429,000	$ 5,285,000	$ 5,376,000	$ 4,117,000	$ 4,906,000

Changes from 2023 Adopted CIP

2024 Capital Improvement Plan
2024 Executive Compared to 2023 Adopted
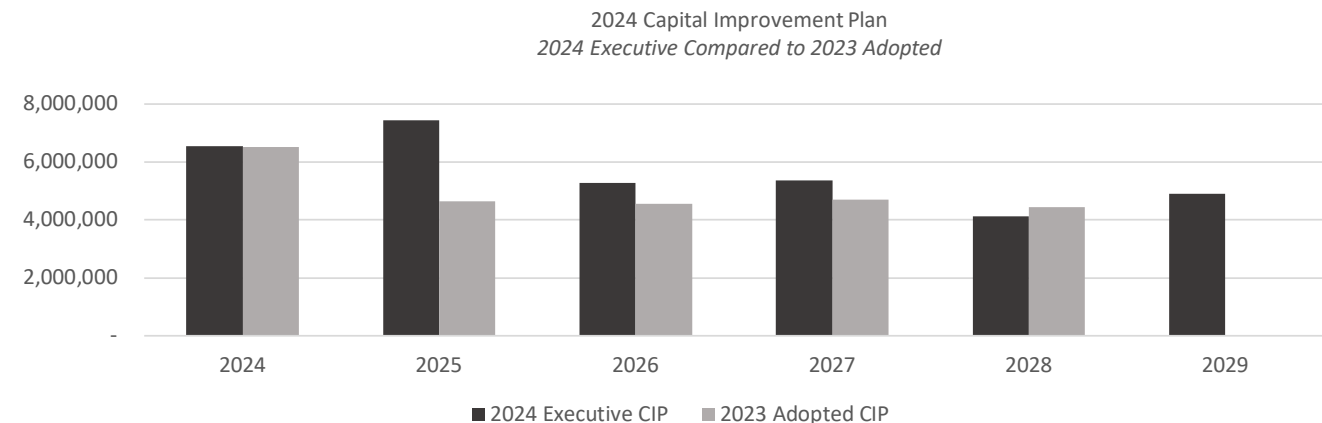
Description of Major Changes

Audiovisual Systems
• Program budget decreased by $112,000 in GF GO Borrowing between 2024 – 2028 to reflect updated estimates for equipment replacement.

Capital Improvement Plan (CIP) Overview

Description of Major Changes (Continued)

Camera Lifecycle Management
- Program budget increased by $161,000 in GF GO Borrowing from 2024 – 2028. This reflects a 31.0% increase. In addition, the Traffic Engineering budget includes $55,000/ year for TE's portion of the program.
- This program was established in the 2023 budget, using the best cost estimates available at that time. The original estimates included maintenance and replacement, but did not account for the cost of break fixes outside of the regular maintenance schedule. The cost increase reflects the addition of break fixes.

Database Lifecycle Management
- No major changes compared to 2023 Adopted CIP.

Digital Accessibility & Engagement
- Program budget increased by $544,900 in GF GO Borrowing from 2024 – 2028. This reflects at 35.7% increase, driven by additional costs for Media Team Lifecycle Management replacements in 2025.

Digital Workplace
- Program budget decreased by $394,000 (6.6%) in GF GO Borrowing from 2024 – 2028.

Enterprise Business Solutions
- Budget decreased by $1.6 million in 2024 and increased by $1.6 million in 2025 (GF GO Borrowing) to reflect the updated timeline of two projects to migrate on-premises systems to the cloud (Tyler ERP, $1.3 million; Accela, $500,000).

Fiber and Wireless Network
- Budget decreased by $457,000 in 2024 and increased by $517,00 in 2025 – 2026 (GF GO Borrowing) to reflect the updated timeline of minor projects.

Network Operations & Infrastructure Lifecycle Management
- Program budget increased by $2.7 million in GF GO Borrowing from 2024 – 2028 to reflect updated cost estimates for network lifecycle management replacements. This reflects a 41.8% increase.

Security, Risk, and Compliance
- Program budget increased by $1.2 million in GF GO Borrowing in 2024 to reflect the cost of enterprise-wide back up solutions and infrastructure upgrades recommended through a cybersecurity audit.

Information Technology

Summary of Expenditures and Revenues

2024 CIP by Expenditure Type

	2024	2025	2026	2027	2028	2029
Fiber Network	100,000	850,000	1,025,000	650,000	500,000	500,000
Machinery and Equipment	3,342,850	3,082,000	2,408,000	2,701,000	1,980,000	2,760,000
Other	2,125,000	1,122,000	1,172,000	1,165,000	1,177,000	1,186,000
Software and Licenses	972,000	2,375,000	680,000	860,000	460,000	460,000
	$ 6,539,850	$ 7,429,000	$ 5,285,000	$ 5,376,000	$ 4,117,000	$ 4,906,000

2024 CIP by Funding Source

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	6,539,850	7,429,000	5,285,000	5,376,000	4,117,000	4,906,000
	$ 6,539,850	$ 7,429,000	$ 5,285,000	$ 5,376,000	$ 4,117,000	$ 4,906,000

Borrowing Summary

	2024	2025	2026	2027	2028	2029
General Fund GO Borrowing	6,539,850	7,429,000	5,285,000	5,376,000	4,117,000	4,906,000
Non-General Fund GO Borrowing	-	-	-	-	-	-
	$ 6,539,850	$ 7,429,000	$ 5,285,000	$ 5,376,000	$ 4,117,000	$ 4,906,000

Annual Debt Service

	2024	2025	2026	2027	2028	2029
General Fund GO Borrowing	850,181	965,770	687,050	698,880	535,210	637,780
Non-General Fund GO Borrowing	-	-	-	-	-	-
	$ 850,181	$ 965,770	$ 687,050	$ 698,880	$ 535,210	$ 637,780

Executive Budget by Funding Source
GO Borrowing and Other Sources
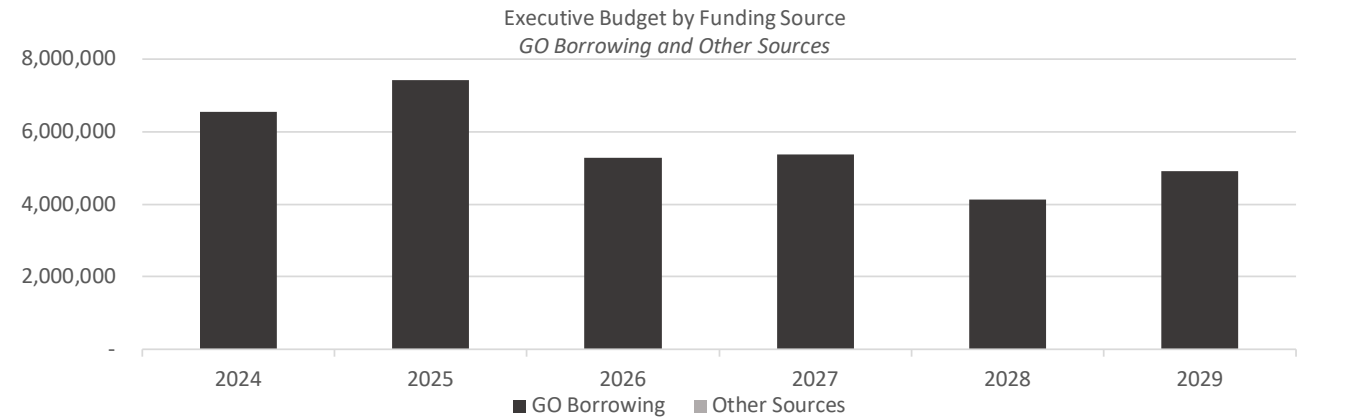
Carryforward General Obligation Borrowing

		Unused Appropriation Authority	Reauthorized GO Borrowing
13535	AUDIOVISUAL SYSTEMS	204,621	200,000
14356	CAMERA LIFECYCLE MANAGEMENT	133,157	-
13534	CAMERA MANAGEMENT SYSTEM	750,000	750,000
12413	DATABASE INFRASTRUCTURE	160,367	160,151
12417	DIGITAL ACCESSIBILITY & ENGAGEMENT	187,161	125,000
13537	DIGITAL WORKPLACE	1,042,980	1,000,000
13806	ELECTION EQUIPMENT TOWN OF MADISON	315	-
12418	ENTERPRISE BUSINESS SOLUTIONS	371,470	75,000
10042	ENTERPRISE FINANCIAL SYSTEM	524,713	431,904
17404	FIBER AND WIRELESS	813,172	500,000
17523	LEARNING MANAGEMENT SYSTEM	100,000	100,000
17521	LEGISLATIVE MANAGEMENT SYSTEM	241,350	-
13086	MICROSOFT 365	138,015	250,000
12412	NETWORK & OPERATIONS INFRASTRUCTURE	378,592	972,000
10043	PROPERTY ASSESSMENT SYSTEM	140,527	100,000
17401	SECURITY, RISK AND COMPLIANCE	488,257	300,000
17049	TAX SYSTEM REPLACEMENT	11,557	50,000
		$ 5,686,256	$ 5,014,055

Information Technology

Project & Program Details

Project	**Audiovisual Systems**	Project #	**13535**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program funds audiovisual products and systems, including flat panel displays, digital signage, projectors, videoconferencing products, and AV recording devices for training, collaborative conferencing, information displays, remote control monitoring, and Boards, Commission, and Committee meetings. The goal of this program is to improve digital inclusion, creating more opportunities for residents to access City services, engage in City government through technology, and expand digital collaboration options for City Staff.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	120,000	75,000	205,000	205,000	206,000	257,000
Total	**$ 120,000**	**$ 75,000**	**$ 205,000**	**$ 205,000**	**$ 206,000**	**$ 257,000**

Project	**Camera Lifecycle Management**	Project #	**14356**
Citywide Element	**Health and Safety**	Project Type	**Program**

Project Description

This program supports the replacement and maintenance of the City's digital security cameras and the City's traffic cameras. The goal of this program is to maintain a strong and secure digital camera network. The funding allocation will be distributed between Information Technology to support the City's digital security cameras and Traffic Engineering to support the City's traffic cameras.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	250,000	130,000	100,000	100,000	100,000	100,000
Total	**$ 250,000**	**$ 130,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**	**$ 100,000**

Project	**Database Lifecycle Management**	Project #	**12413**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program maintains the City's database infrastructure, hardware, software, licensing, upgrades and tools. The goal of this program is to maintain a strong and secure technology infrastructure backbone.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	275,000	150,000	150,000	150,000	150,000	150,000
Total	**$ 275,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**	**$ 150,000**

Project & Program Details

Project	**Digital Accessibility & Engagement**	Project #	**12417**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program develops and supports new technology and online systems, which improve accessibility and interaction with City Services. The City's Government Access Television Channel, Madison City Channel, is also a key component of providing opportunities for digital inclusion and resident engagement. The goal of this program is to improve digital inclusion, creating more opportunities for residents to access City services and engage in City government through technology.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	259,850	331,000	730,000	375,000	376,000	285,000
Total	**$ 259,850**	**$ 331,000**	**$ 730,000**	**$ 375,000**	**$ 376,000**	**$ 285,000**

Project	**Digital Workplace**	Project #	**13537**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program funds increased access to shared online services, opportunities for flexible collaboration and continuing the transition of modernizing paper-based processes to digital processes to meet the needs of City employees, business and community partners. It also supports the workstation equipment lifecycle management across the City. The goal of this program is to support the growing digital workplace as the City's working environments are constantly evolving.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	1,070,000	1,375,000	876,000	1,160,000	1,125,000	1,130,000
Total	**$ 1,070,000**	**$ 1,375,000**	**$ 876,000**	**$ 1,160,000**	**$ 1,125,000**	**$ 1,130,000**

Project	**Enterprise Business Solutions**	Project #	**12418**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program supports enterprise-wide systems in order to support the City's growing digital workplace. The goal of this program is to support the increasing number of shared online services and opportunities for flexible collaboration and to continue the transition of modernizing paper-based processes to digital processes to meet the needs of our employees, business and community partners and Madison residents. Major projects include migrating on-premises systems (Tyler ERP, Accela) to the cloud in 2025.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	170,000	1,775,000	125,000	125,000	125,000	125,000
Total	**$ 170,000**	**$ 1,775,000**	**$ 125,000**	**$ 125,000**	**$ 125,000**	**$ 125,000**

Project & Program Details

Project	**Fiber and Wireless Network**	Project #	**17404**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program expands the City's high-speed fiber optic and wireless network. The goal of this program is to improve service delivery through interconnectivity and redundancy to City facilities by expanding the fiber optic infrastructure. The Fiber and Wireless program supports the IT strategic priority of growing and strengthening our technology infrastructure and operations. Building and maintaining a strong, well-connected fiber network furthers the work of all City agencies' goals and initiatives.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	380,000	1,131,000	1,310,000	935,000	787,000	789,000
Total	**$ 380,000**	**$ 1,131,000**	**$ 1,310,000**	**$ 935,000**	**$ 787,000**	**$ 789,000**

Project	**Network Operations & Infrastructure Lifecycle Management**	Project #	**12412**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program maintains the City's data network, data storage, systems hosting, backups and internet access, while minimizing downtime to City operations. The goal of this program is to maintain a strong and secure technology infrastructure backbone. Funding in 2024 includes investing in more robust network switches to handle the increased network bandwidth traffic; replacing end-of-life Wireless Access Points, Edge Switches, and Traffic Engineering/SCADA (Water Utility) switches.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	2,610,000	2,105,000	1,430,000	1,965,000	885,000	1,705,000
Total	**$ 2,610,000**	**$ 2,105,000**	**$ 1,430,000**	**$ 1,965,000**	**$ 885,000**	**$ 1,705,000**

Project	**Security, Risk, and Compliance**	Project #	**17401**
Citywide Element	**Effective Government**	Project Type	**Program**

Project Description

This program protects the information contained, processed or transmitted by information technology systems. This program is also responsible for developing and measuring compliance of security policies and procedures, minimizing risk through implementation of effective technical, administrative and physical security controls. The goal of this program is to reduce the City's overall risk of security incidents to a moderate level or below. A secure technology environment allows the City to operate safely and efficiently. By centering work on security, IT and other City agencies proactively protect the City's resources from evolving cybersecurity threats. Funding in 2024 includes implementing recommendations from a cybersecurity audit and an enterprise backup project.

	2024	2025	2026	2027	2028	2029
GF GO Borrowing	1,405,000	357,000	359,000	361,000	363,000	365,000
Total	**$ 1,405,000**	**$ 357,000**	**$ 359,000**	**$ 361,000**	**$ 363,000**	**$ 365,000**

Information Technology

2024 Appropriation Schedule

2024 Appropriation

	Request	Executive Budget		
		GO Borrowing	Other	Total
Audiovisual Systems	120,000	120,000	-	120,000
Camera Lifecycle Management	250,000	250,000	-	250,000
Database Lifecycle Management	275,000	275,000	-	275,000
Digital Accessibility & Engagement	265,000	259,850	-	259,850
Digital Workplace	1,070,000	1,070,000	-	1,070,000
Enterprise Business Solutions	220,000	170,000	-	170,000
Fiber and Wireless Network	380,000	380,000	-	380,000
Network Operations & Infrastructure Lifecycle Management	2,610,000	2,610,000	-	2,610,000
Security, Risk, and Compliance	1,405,000	1,405,000	-	1,405,000
	$ 6,595,000	$ 6,539,850	$ -	$ 6,539,850