

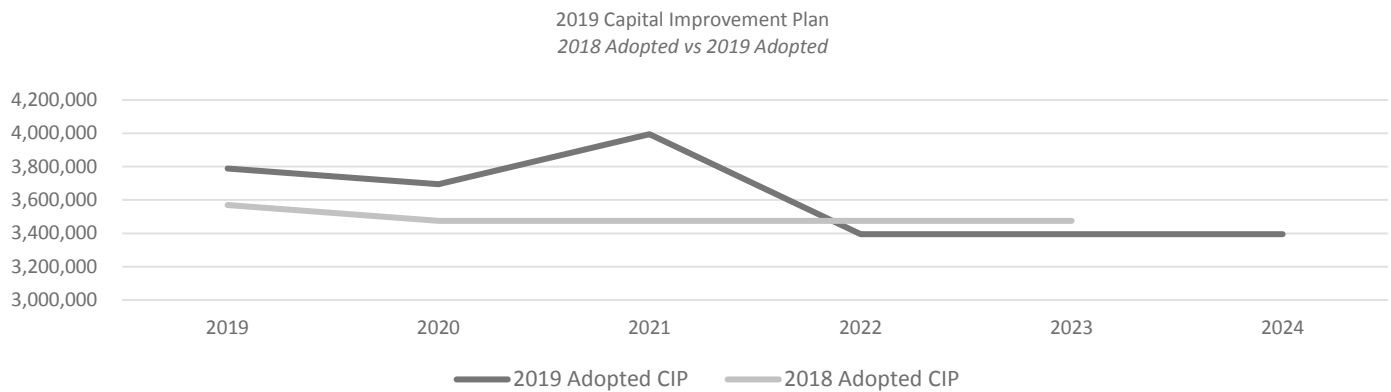
Information Technology

Capital Improvement Plan

Project Summary

	2019	2020	2021	2022	2023	2024
311/Cust Rltns Mgmt (CRM) System	150,000	-	-	-	-	-
DCR Case Management	20,000	-	-	-	-	-
Expand Fiber And Wireless Network	200,000	220,000	220,000	220,000	220,000	220,000
Fiber to CDA Housing Properties	100,000	-	-	-	-	-
Hardware/Software Upgrades	2,200,000	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000
Learning Management System	100,000	-	-	-	-	-
Legislative Management System	250,000	-	-	-	-	-
Mobile Computing Laptops	180,000	200,000	200,000	200,000	200,000	200,000
Network Security	240,000	275,000	275,000	275,000	275,000	275,000
Property Assessment System	-	-	600,000	-	-	-
Purchased Software Enhancements	350,000	350,000	350,000	350,000	350,000	350,000
Tax System Replacement	-	300,000	-	-	-	-
Total	\$ 3,790,000	\$ 3,695,000	\$ 3,995,000	\$ 3,395,000	\$ 3,395,000	\$ 3,395,000

Changes from 2018 CIP



Projects Added

- 311/Customer Relationship Management (CRM) System: Funding for a study added for 2019 (\$150k)
- Fiber to CDA Housing Authority Properties: Funding for study added for 2019 (\$100k) by Finance Committee amendment #6
- Learning Management System: Funding added for 2019 (\$100k)
- Legislative Management System: Funding added for 2019 (\$250k)
- Property Assessment System: Funding added for 2021 (\$600k)

Projects: Schedule Changes

- Tax System Replacement: Project deferred to 2020 (\$300k)

Program Adjustments

- DCR Case Management: Funding increased for 2019 (\$20k)
- Expand Fiber and Wireless Network: Out year funding reduced (\$60k)
- Mobile Computing Laptops: Out year funding reduced (\$100k)
- Network Security: Out year funding reduced (\$10k)
- Purchased Software Enhancements: Out year funding reduced (\$250k)

Information Technology

Budget Overview

2019 CIP by Expenditure Type

	2019	2020	2021	2022	2023	2024
Fiber Network	200,000	220,000	220,000	220,000	220,000	220,000
Machinery and Equipment	2,102,500	2,200,000	2,150,000	2,150,000	2,150,000	2,150,000
Other	755,000	230,000	730,000	230,000	230,000	230,000
Software and Licenses	732,500	1,045,000	895,000	795,000	795,000	795,000
Total	\$ 3,790,000	\$ 3,695,000	\$ 3,995,000	\$ 3,395,000	\$ 3,395,000	\$ 3,395,000

2019 CIP by Funding Source

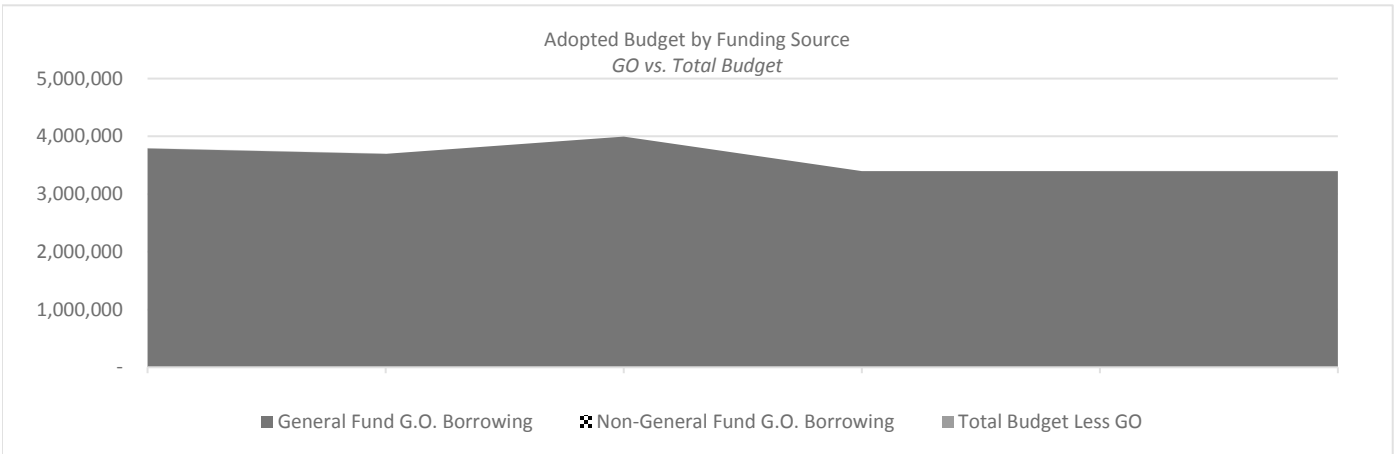
	2019	2020	2021	2022	2023	2024
GF GO Borrowing	3,790,000	3,695,000	3,995,000	3,395,000	3,395,000	3,395,000
Total	\$ 3,790,000	\$ 3,695,000	\$ 3,995,000	\$ 3,395,000	\$ 3,395,000	\$ 3,395,000

Borrowing Summary

	2019	2020	2021	2022	2023	2024
Borrowing Schedule						
General Fund G.O. Borrowing	3,790,000	3,695,000	3,995,000	3,395,000	3,395,000	3,395,000
Non-General Fund G.O. Borrowing	-	-	-	-	-	-
Total	\$ 3,790,000	\$ 3,695,000	\$ 3,995,000	\$ 3,395,000	\$ 3,395,000	\$ 3,395,000

Annual Debt Service

General Fund G.O. Borrowing	492,700	480,350	519,350	441,350	441,350	441,350
Non-General Fund G.O. Borrowing	-	-	-	-	-	-



Project **Expand Fiber And Wireless Network** **Project #** **17404**
Project Description

This program funds the installation of high-speed fiber optic cable or wireless connections to City facilities and adds additional capacity to areas of the network that are overburdened. The goal of the program is to provide and improve high-speed connections for City agencies. Progress is measured by the number of city-owned facilities that are served, network capacity, and network reliability. Funding in 2019 is for the annual network audit and to provide fiber optic cable to Elver Park, Park Edge/Park Ridge Employment Center, and public housing at Braxton.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	220,000	200,000	220,000	220,000	220,000	220,000	220,000
TOTAL	\$ 220,000	\$ 200,000	\$ 220,000	\$ 220,000	\$ 220,000	\$ 220,000	\$ 220,000

Project **Fiber to CDA Housing Authority Properties** **Project #** **17899**
Project Description

This project funds a feasibility study of expanding broadband services at City public housing sites owned and operated by the Community Development Authority (CDA). The study will identify stakeholders, conduct market research to assess current and future needs, determine satisfaction with service and willingness to pay for alternative service, identify potential partners and service providers, evaluate benefits and risks, analyze business models and recommend strategies, develop a conceptual design and cost analysis, and evaluate financing and funding availability. The study will include consultation with CDA, IT, Traffic Engineering, and other relevant City agencies to identify all issues and deliver a strategic implementation plan. This project was added to the CIP by Finance Committee amendment #6.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	100,000	-	-	-	-	-
TOTAL	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

Project **Fiber to the Premises** **Project #** **17230**
Project Description

This project provides funding for consulting services assisting with the development of the implementation plan as outlined in the Fiber-to-the-Premises Analysis report adopted in November 2016 (Legistar File 44446). Full implementation of the 2016 plan is anticipated to cost \$149.1 million. A final report is scheduled to be presented to the City in October 2018. The reauthorized borrowing authority is for any final payments to the vendor.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	61,000	-	-	-	-	-	-
TOTAL	\$ 61,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project **Hardware/Software Upgrades** **Project #** **17400**
Project Description

This program funds equipment and software upgrades, expansion of the City's data, voice, and storage network infrastructure, and upgrades for the Media Team. The goal of the program is to replace outdated network equipment to ensure network performance and reliability, ease of administration, and security. Progress is measured by feedback from City staff regarding reliability of hardware and applicability of software in providing services to citizens through the website or in person. Funding in 2019 is for desktop and printer replacement, Media Team upgrades, wireless and VPN upgrades, enterprise remote access upgrades, and software licensing.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	2,136,000	2,200,000	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000
TOTAL	\$ 2,136,000	\$ 2,200,000	\$ 2,350,000	\$ 2,350,000	\$ 2,350,000	\$ 2,350,000	\$ 2,350,000

Project Learning Management System Project # 17523

Project Description

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. The goal of the system is make training more accessible to all City employees, improve efficiency, reduce the need for one-on-one training, and more effectively record work and training history. The anticipated go-live date is 2020.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	100,000	-	-	-	-	-
TOTAL	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -

Project Legislative Management System Project # 17521

Project Description

This project funds purchasing a new system to administer the City's legislative processes, including the tracking of committees and commissions. This project would include the replacement of an obsolete committees and commissions system from the mid-1990's and integrating two systems into a single platform. The anticipated go-live date is 2020.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	250,000	-	-	-	-	-
TOTAL	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -

Project Mobile Computing Laptops Project # 17402

Project Description

This program funds the regular replacement of outdated mobile-data laptop computers installed in Public Safety vehicles and mobile devices used by other City agencies. The goal of the program is to provide necessary devices for field staff in Public Safety, Public Works, and Public Health. Progress is measured by feedback from City staff regarding device reliability and ease of use while in the field or at remote locations. Funding in 2019 is for 50 devices.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	180,000	200,000	200,000	200,000	200,000	200,000
TOTAL	\$ -	\$ 180,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000

Project Municipal Court System Project # 17109

Project Description

This project funds the purchase of a new computer system for the administration of Municipal Court and Attorney's Case Management functions. The project replaces an aging and limited system developed in the mid-1990's. Funding for the project was first included in the 2016 CIP, the anticipated go-live date for the system is February 2019.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
Transfer In From General Fund	49,752	-	-	-	-	-	-
TOTAL	\$ 49,752	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Network Security Project # 17401

Project Description

This program funds an ongoing effort to maintain and improve the security posture of the City's computer network and the physical security of City-owned facilities, including security assessments and consulting. The goal of the program is to ensure the City's devices (desktop PCs, laptops, smartphones, tablets, etc.) and network servers are secure. Progress is measured by accessibility of City services by citizens, minimal downtime, and increased ability to prevent and mitigate cyberattacks. Funding in 2019 is for improved detection of network attacks and ensuring outdated security technology is replaced.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	240,000	275,000	275,000	275,000	275,000	275,000
TOTAL	\$ -	\$ 240,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000

Project Property Assessment System Project # 10043

Project Description

This project funds 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 efficiencies within and to the satisfaction of the Assessor’s Office. Funding for the system was first included in the 2008 CIP, the targeted go-live date for the system is 2022.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	201,933	-	-	600,000	-	-	-
TOTAL	\$ 201,933	\$ -	\$ -	\$ 600,000	\$ -	\$ -	\$ -

Project Purchased Software Enhancements Project # 17403

Project Description

This program funds upgrades and enhancements of existing vendor-supplied software and applications supporting City operations and the purchase of additional customer licenses when necessary. The goal of this program is to have current software functionality for City staff to meet the needs of residents. Progress will be measured by feedback from City staff and residents. Funding for 2019 is for upgrades and enhancements to Parks' RecTrac suite, Accela and Open Data, SharePoint, monitoring tools, and other software.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	150,000	350,000	350,000	350,000	350,000	350,000	350,000
Transfer In From General Fund	12,085	-	-	-	-	-	-
TOTAL	\$ 162,085	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000

Project Residential Internet Access Assistance Project # 10399

Project Description

This project provides funding to close the “Digital Divide” in four low-income neighborhoods: Allied Drive, Darbo/Worthington, Brentwood, and Kennedy Heights. The goal of the project is to provide digital literacy training and personal computers to residents as part of the Digital Divide Pilot Project, known as Connecting Madison. Progress will be measured by the number of residents trained and computers deployed. Project funding covers the following support services through a non-profit organization: technology education, drop-in support, improvements to computer labs in community centers, PC equipment provision, preparation, and deployment, and equipment and support related to resident turnover.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	50,000	-	-	-	-	-	-
TOTAL	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Tax System Replacement Project # 17049

Project Description

This project funds the purchase of a new computer system for the administration of the City’s tax billing and collection processes. The goal of the project is to replace an aging and limited system developed in the mid-1990’s with a more stable platform. Progress will be measured by feedback from the Treasurer’s Office on the functionality of the system and citizen reaction to changes made in the process or bills. This project has been deferred from 2019 to 2020.

Project Budget by Funding Source

	Reauth	2019	2020	2021	2022	2023	2024
GF GO Borrowing	-	-	300,000	-	-	-	-
TOTAL	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -

Information Technology

2019 Appropriation Schedule

2019 Appropriation

Adopted Budget

	Request	Executive	GO Borrowing	Other	Total
311/Customer Relationship Management (CRM) System	150,000	150,000	150,000	-	150,000
DCR Case Management	-	-	20,000	-	20,000
Expand Fiber And Wireless Network	220,000	200,000	200,000	-	200,000
Fiber to CDA Housing Authority Properties	-	-	100,000	-	100,000
Hardware/Software Upgrades	2,200,000	2,200,000	2,200,000	-	2,200,000
Learning Management System	100,000	100,000	100,000	-	100,000
Legislative Management System	500,000	250,000	250,000	-	250,000
Mobile Computing Laptops	200,000	180,000	180,000	-	180,000
Network Security	250,000	240,000	240,000	-	240,000
Purchased Software Enhancements	400,000	350,000	350,000	-	350,000
Total	\$ 4,020,000	\$ 3,670,000	\$ 3,790,000	\$ -	\$ 3,790,000

Reauthorized Appropriation

	GO Borrowing	Other	Total
Asset Management System	-	396,089	396,089
Dcr Case Management	80,000	-	80,000
Enterprise Financial System	1,141,000	-	1,141,000
Expand Fiber And Wireless Network	220,000	-	220,000
Fiber To The Premises	61,000	-	61,000
Hardware/Software Upgrades	2,136,000	-	2,136,000
Municipal Court System	-	49,752	49,752
Property Assessment System	201,933	-	201,933
Purchased Software Enhancements	150,000	12,085	162,085
Residential Internet Access Asst	50,000	-	50,000
Total	\$ 4,039,933	\$ 457,927	\$ 4,497,860

Total 2019 Appropriation

	\$ 7,829,933	\$ 457,927	\$ 8,287,860
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